Electronics & Communications Abstracts Journal

TK
7800
E43882
v.17 (INDEX)
1984

PAMPHLET BOX
U.I.C.
MAR 4 1985
LIBRARY

U.I.C.
MAR 4 1985
LIBRARY

Electronics and Communications Abstracts Journal

A PUBLICATION OF
CAMBRIDGE SCIENTIFIC ABSTRACTS

ELECTRONICS & COMMUNICATIONS ABSTRACTS JOURNAL is an International Reference Publication Devoted to Complete and Comprehensive Coverage of the World Literature in this Rapidly Expanding and Important Field.

Primary categories are: ELECTRONIC SYSTEMS AND APPLICATIONS: Power, Instrumentation and Measurements, Automatic Control, Reliability, Aerospace Electronics, Military Electronics, Medical Electronics, Geoscience Electronics, Safety Electronics, Computer Electronics, Transportation Electronics, Electronics in Education; ELECTRONIC PHYSICS: Electromagnetics, Physical Electronics; ELECTRONIC CIRCUITS: Amplifiers, Oscillators, and Waveform Generators, Switches, Modulators, and Pulse Circuits; ELECTRONIC DEVICES: General Solid State Devices/Semiconductor Devices, Liquid-filled Electronic Devices, Diode and Grid-Controlled Vacuum Tubes, Linear Beam and Crossed Field Tubes, Information Handling Tubes, Gas Tubes, Radiation Detectors, Photodevices, Masers and Lasers, Cryogenic Devices, Thermal Devices, Electro- and Magneto-Mechanical Devices, Magnetic Devices, Dielectric Devices, Transistors, Microelectronics; COMMUNICATIONS: Communication Systems, Audio Systems, Signal Recording Systems, Positioning Systems. Sources Include: Periodicals, Government Reports; Conference Proceedings, Books, and Dissertations. The Abstracts are Extensively Cross Referenced and Indexed by Subject, Material and Author.

ROBERT N. SNYDER, PRESIDENT
PHILIP E. HIXON, PUBLISHER

PAMELA J. MCKEEHAN
Managing Editor

HOLLINGTON LU
Editor

EVELYN BECK
CAROL ELLERBECK
RITA LEWIS
Assistant Editors

MERL WASCHLER
Subscription Accounting

AVRIL HOWELLS
Marketing

ELECTRONICS AND COMMUNICATIONS ABSTRACTS JOURNAL (ISSN 0361-3313) is published bimonthly beginning in January for U.S. $419; outside U.S. $468 (surface), $506 (air-assisted) per year including annual index by Cambridge Scientific Abstracts, 5161 River Road, Bethesda, MD 20816. Application to mail at second class postage rates is pending at Bethesda, MD. POSTMASTER: Send address changes to Electronics and Communications Abstracts Journal, Cambridge Scientific Abstracts, 5161 River Road, Bethesda, MD 20816.

©1984 Cambridge Scientific Abstracts

ELECTRONICS AND COMMUNICATIONS ABSTRACTS JOURNAL

1984 ANNUAL INDEX

VOLUME 17 DEC 1984

CSA

CAMBRIDGE SCIENTIFIC ABSTRACTS

BETHESDA, MARYLAND OXFORD, ENGLAND

Digitized by the Internet Archive
in 2023

https://archive.org/details/electronics-and-communications-abstracts-journal_1984-12_17_index

Sject Index

Aption,
ustics, Underwater technology, Coatings, Viscoelasticity, Resonance ... 00349
ninum, Aluminum alloys, Welding, Lasers ... 01011
oon dioxide, Discharges, Electric variables measurement, Electrochemistry ... 01801
action gratings, Holography, Electrooptics, Crystals ... 05779
ctromagnetics, Electrons, Spectral analysis, Precipitation, Absorption ... 07066
ctromagnetics, Lasers, Plasmas, Propulsion, Space technology ... 08022
ctron density, Semiconductors, Infrared ... 01156
ctrons, Plasmas, Magnetic fields, Pressure, Computer aided analysis ... 06632
ergy bands, Spectral analysis, Nuclear magnetic resonance ... 03557
ergy conversion, Interference, Resonance, Photodevices ... 00223
ergy, Electric variables control, Conduction, Human exposure ... 05292
ergy, Plasmas, Lasers, Radiation ... 07347
infrared, Dipoles, Dielectricity, Hydrogen chloride, Deuterium chloride ... 07535
ms, Energy conversion, Photovoltaic effect, Resonance ... 02497
s lasers, Pumping, Photons, Carbon monoxide ... 04032
ses, Measurement, Sensors, Fiber optics ... 09329
sers, Acoustooptics, Spectroscopy, Photons, Thallium halides ... 02555
sers, Plasmas, Metals, Surface properties, Optics ... 05791
sers, Pumping, Solar energy ... 08981
sers, Resonance, Magnetics, Dipoles, Iodine ... 07349
sers, Time measurement, Acoustooptics, Relaxation, Spectroscopy, Dissertation ... 03972
crowaves, Blood analysis, Laboratory testing, Hyperthermia ... 00504
crowaves, Waveguides, Filters ... 09120
llimeter waves, Beryllium oxide, Ceramics ... 07534
ptical analysis, Thin films, Solar cells, Silicon hydride, Short circuits ... 05001
larization, Foliage, Wave propagation ... 00010
wer, Resonance, Medical electronics ... 06989
adiation, Dosimetry, Polyethylene, Quality control ... 03433
cattering, Dielectricity, Electromagnetic waves, Harmonics ... 06432
emiconductors, Layers, Numerical analysis ... 02708
gnals, Charge carriers, Acoustooptics ... 00850
licon, Solar cells, Recombination, Performance ... 05611
olar cells, Optical analysis, Heterojunctions, Dissertation ... 00799
olar cells, Reflection, Surface properties ... 00800
olar energy, Electrodeposition, Black chrome, Optical properties ... 03370
olar energy, Solar cells, Position control, Surface properties ... 03356
pectral analysis, Electromagnetics, Wave propagation, Oscillation ... 03212
pectral analysis, Photoelectrochemistry, Magnesium titanate ... 08957
pectral analysis, Thermal variables measurement, Infrared, Doppler shift ... 03481
urface properties, Scanning electron microscopy, Thermal variables measurement ... 02518
ltrasonics, Biology, Radiation, Dosimetry, Dissertation ... 02144
sorption spectra,
Cadmium manganese telluride, Magnetooptics, Magnetic fields, Temperature ... 00848
Gadolinium aluminate, Temperature, Magnetic fields, Franck Condon effect ... 00323
celeration,
Propulsion, Spacecraft, Guidance and control systems, Trajectories ... 00482
Rocket engines, Propulsion, Ramjets, Electromagnetic fields ... 02106
Spacecraft, Propulsion, Optimization, Computer aided analysis ... 05272
celerators,
Betatrons, Design, Magnetic fields, Lasers ... 08512
Computer aided design, Construction, Planning ... 01672
Coupling, Transmission lines, Magnetic fields, Diodes, Dissertation ... 07473
Current, Transmission lines, Magnetics, Insulators, Electric fields ... 09103
Electron beams, Modulation, Pulse generation ... 02457
Electrons, Control systems, Fiber optics, Van de Graaff accelerator ... 07721
Electrons, Polymerization, Electron beam curing ... 03434
Impedance, Generators, Electron beams, Diodes ... 06899
Ions, Electrons, Drift mobility, Klystrons ... 08513
Klystrons, Amplifiers, Signal processing, Radar, Transmitters ... 08859
Linear accelerators, Radiology, Electron beams, Photons, Automatic control ... 01671
Linear accelerators, Radiology, Systems design, Therapeutic systems ... 02138
Magnetic variables measurement, Transducers, Automation, Synchrophasotrons ... 08508
Mass spectrometry, Atmospheric conditions, Dating techniques, Aerosols ... 00309
Power supply, Electric power transmission ... 00062
Radiation, Buildings ... 03259
Research and development, Electron beams, State of the art, Electrocurtain® ... 03260
Space technology, Propulsion, Plasmas, Current voltage ... 08615
Spacecraft, Charge, Potentials, Voltage ... 00470
Vacuum technology, Breakdown, Radio frequency, Calibration, Voltage ... 00053
ccelerometers,
Design, Fabrication, Capacitance, Silicon ... 05130
Fabrication, Fiber optics, Testing, Transducers ... 07752
Gyroscopes, Reliability, Failure, Probability, Fault tolerance ... 00450
Gyroscopes, Research and development, Guidance and control systems ... 03646
Sensors, Instrumentation, Calibration, Inspection, Research and development ... 06864
Transducers, Field effect transistors, Integrated circuits, Fabrication ... 01030
Vibration, Sensors, Amplifiers, Piezoelectricity ... 00692
ccess,
Buses, Local area networks, Protocols, Scheduling ... 05397
Channels, Coding, Algorithms ... 06374
Channels, Communication networks, Signal transmission, Noise, Dissertation ... 04777
Channels, Protocols, Local area networks ... 06353
Channels, Sequences, Data communications ... 07939
Channels, Transmission, Packet switching ... 06360
Communication networks, Distributed systems, Circuitry, Switching, Channels ... 06400
Communication networks, Interactive systems, Systems design ... 07079
Communication networks, Performance, Data transmission, Coding, Sequences ... 09559
Communication networks, Protocols, Channels, Allocation, Data transmission ... 06357
Communication networks, Transmission lines, Terminals, Workstations, Allocation ... 08715
Access, (continued)
Control systems, Communication networks, Random processes, Delay ... 09595
Data communications, Communication networks, Switching ... 04615
Distributed systems, Communication networks, Terminals, Signal transmission ... 06119
Feedback, Channels, Codes, Noise, Signal processing ... 09564
Frequency, Channels, Speech transmission, Communication networks, Televisions ... 06166
Local area networks, Delay, Algorithms, Performance, Dissertation ... 03744
Local area networks, Distributed systems, Buses, Traffic ... 08723
Local area networks, Topology, Protocols ... 08724
Mobile systems, Radios, Speech transmission, Delay, Simulation ... 07681
Multiplexing, Local area networks, Interconnection, SILK ... 04634
Protocols, Packet switching, Local area networks, Throughput ... 04666
Radio communications, Data transmission, Channels, Time measurement, Delay ... 09314
Read only memory, Programming, Circuitry, Energy consumption, Strobing ... 03741
Remote access, Speech recognition, Text processing, Telephones, Data processing ... 06274
Satellite communications, Channels, Performance, Packet switching, Dissertation ... 06195
Satellite communications, Research and development, Terminals, Mobile systems ... 04596
Satellite communications, Spread spectrum communications, Multiplexing ... 06189
Telecommunications, Satellite communications, Standards, Traffic, Terminals ... 06190
Telecommunications, Technology, Architecture ... 09425
Telephones, Switching, Systems design ... 09467
Transmission, Local area networks, Protocols, Simulation ... 04631
Accidents,
Aircraft, Air traffic control, Radar, Safety systems ... 06947
Electric power generation, Reliability, Simulation, Personnel, Training ... 01856
Industry, Robots, Safety systems, Occupational safety ... 03580
Nuclear power plants, Construction, Environmental protection, United States ... 04980
Nuclear power plants, Government regulations, United States ... 04982
Nuclear power plants, Technology, Environmental protection ... 04984
Nuclear reactors, Thermodynamics, Fuels, Prediction, Software ... 03348
Remote sensing, Mining, Electric fields, Magnetic fields ... 07077
Ships, Radar, Marine engineering ... 04705
Acids,
Cells, Design, Electrochemical reactions, Electrolytes ... 08306
Electric power generation, Coal, Hydrogen, Electrochemistry, Nuclear energy ... 03323
Electroplating, Films, Alloys, Thermal variables control, Optimization ... 03326
Lead, Batteries, Capacity, Discharges ... 04976
Lead dioxide, Electrodes, Electrochemistry, Energy storage components ... 01800
Lead, Hydrogen, Conductance, Batteries ... 00179
Acoustic emissions,
Amplitude, Signal processing, Nondestructive testing, Spatial measurement ... 01989
Atmospheric conditions, Noise, Instrumentation ... 03507
Ceramics, Plasticity, Fatigue, Electric power transmission, Mechanical strength ... 03305
Ceramics, Wave propagation, Elasticity, Tensile strength ... 01984
Compression testing, Capacitors, Stress, Service life ... 05124
Diagnostics, Internal combustion engines, Mechanical defects ... 01677
Doppler effect, Nondestructive testing ... 05111
Imaging, Holography ... 05100
Impact testing, Plates, Damping, Viscosity, Composite materials ... 03512
Instrumentation, Noise, Transducers, Measurement, Nondestructive testing ... 05110
Lifts, Nondestructive testing, Inspection, Composite materials, Safety ... 05114
Nondestructive testing, Materials testing, Mechanical strength ... 03520
Nondestructive testing, Signal processing ... 01978
Nondestructive testing, Silicon, Ceramics, Crack propagation ... 03504
Nondestructive testing, Structural analysis, Reinforced plastics ... 05113
Nondestructive testing, Transducers, State of the art ... 08482
Nondestructive testing, Ultrasonic transducers ... 02660
Nondestructive testing, Wave propagation, Measurement errors ... 01983
Notch testing, Pressure vessels, Crack propagation ... 03508
Roller bearings, Vibration, Transducers, Frequency, Velocity ... 05838
Signal processing, Electronic equipment, Monitoring, Simulation ... 01988
Signal processing, Velocity, Magnetic tape, Recording systems, Pulse generation ... 01981
Solenoids, Magnets, Superconductivity, Sensitivity ... 04194
Specifications, Standards, Information science ... 00348
Transducers, Ultrasonics, Frequency, Calibration, Standards ... 07498
Transducers, Ultrasonics, Vibration, Radiation, Nondestructive testing ... 05839
Underwater technology, Systems analysis, Search strategies ... 09522
Velocity, Pulse generation, Wave propagation, Indium ... 01969
Wave propagation, Cytology, Biomedical engineering, Thickness measurement ... 00346
Acoustic testing,
Breakdown, Current, Amplitude, Insulators, Electric fields ... 00353
Magnets, Superconductivity, Signal processing, Solenoids, Quality control ... 04192
Noise, Internal combustion engines, Nondestructive testing, Dissertation ... 00354
Nondestructive testing, Mathematical models, Reverberational test chambers ... 00334
Acoustic transducers,
Remote sensing, Monitoring ... 01985
Acoustic variables control,
Combustion, Temperature, Hydrogen, Fuel technology ... 05102
Telephones, Quality control, Echo cancelers ... 07850
Acoustic variables measurement,
Civil engineering, Structural analysis, Loading, Elasticity ... 03524
Frequency measurement, Measurement errors, Burst random excitation ... 03501
Missiles, Guidance and control systems, Noise, Filters ... 08622
Noise, Dose response effects, Instrumentation ... 05106
Nuclear reactors, Velocity ... 08326
Oceanography, Bottom loss, Data bases, Software development ... 03708
Oceanography, Bottom loss, Image processing ... 03709
Online systems, Bayesian analysis, Parameter estimation ... 06853
PN, Arctic, Noise, Spectral analysis, Mathematical models ... 04732
Scattering, Sound propagation ... 07882
Semiconductor lasers, Noise, Current, Modulation ... 09002
Signals, Noise, Interference ... 07884
Spacecraft, Damping, Vibration, Modeling ... 08593
Statistical analysis, Underwater technology, Wave propagation ... 03107
Surface acoustic waves, Sensors, Fiber optics ... 04344
Transistors, Precision engineering, Calibration, Automatic control ... 05521

Acoustic variables measurement, (continued)
Underwater technology, Noise, Remote sensing, Surface wind 08668
Acoustic waves,
Diffraction, Impedance, Scattering, Dissertation 08477
Explosions, Aerodynamics, Conductivity, Magnetohydrodynamics 00341
Frequency, Audio systems, Distortion, Computer aided analysis 08433
Hydrodynamics, Dispersion, Density, Helium, Dissertation 00355
Oscillation, Velocity, Ultrasonics 01997
Sonar, Signal transmission, Oceanography, Dissertation 04730
Ultrasonics, Fracture, Metals, Granular materials 00259
Wave propagation, Aluminum, Surface properties 08472
Wave propagation, Electromagnetics 03503
Wave propagation, Equations of motion, Dissertation 08478
Acoustics,
Aluminum, Tensile strength, Compression testing 01970
Audiometry, Detection, Frequency 01996
Boundary layers, Meteorology, Signal transmission, Flow, Wind 05378
Calibration, Hydrophones, Pendulums, Frequency, Pressure 05849
Channels, Amplification, Reverberation, Frequency 04769
Chemical variables measurement, Frequency, Relaxation, Sea water 03523
Combustion, Stability, Pressure, Oscillation, Dissertation 03515
Computed tomography, Microelectronics, Transducers, Dissertation 05098
Computed tomography, Oceanography, Process development 02266
Control systems, Electromagnetics, Diffraction, Coherence, Wave propagation 00823
Crack propagation, Fatigue 01971
Crack propagation, Nondestructive testing, Displacement 00343
Depth measurement, Oceanography, Instrumentation, Systems development 00567
Design, Calibration, Gauges, Velocity, Transducers 05112
Detectors, Transducers, Cryogenics, Liquid helium 09139
Dielectric constants, Computer aided analysis, Impedance, Transducers 02655
Electric variables measurement, Thermal variables measurement, Piezoelectricity 04298
Electromagnetic waves, Microelectronics, Optics, Microwaves, Sensors 03526
Electromagnetic waves, Piezoelectricity, Semiconductors, Plasmas 04824
Electromagnetics, Nondestructive testing, Metals, Transducers 09140
Electrooptics, Modulators, Lasers, Materials testing 00852
Emissions, Lasers, Interferometry, Calibration 06861
Entropy, Magnetohydrodynamics, Generators, Waves, Combustion 04968
Filtering, Electroencephalograms, Signal processing, Software development 05318
Filters, Waves, Radios, Mobile systems, Telephones 01457
Finite element method, Wave propagation, Waveguides 05108
Fluid mechanics, Modeling, Soil science 02263
Frequency, Holography, Transducers, Welding, Deformation 03510
Frequency, Sound propagation, Marine engineering 07058
Granular materials, Numerical analysis, Wave propagation, Ducts 00327
Harmonics, Electromagnetic fields, Magnetic fields, Elastic waves, Excitation 01608
Holograms, Transducers, Data processing, Transmitters, Receivers 06862
Holography, Frequency, Vibration, Wave propagation 00328
Ice, Remote sensing, Mapping 05359
Image processing, Displays, Control systems, Software development 03989
Image processing, Holography, Fourier transforms, Scanners, Displays 03531
Image processing, Sensors, Modeling, Signal to noise ratio, Dissertation 08470
Imaging, Holography, Tomography, History 08484
Interferometry, Electromagnetic waves, Wave propagation, Sonar, Lasers 01536
Marine engineering, Microprocessors, Buoy systems, Data collection, Performance 06305
Measurement, Medical electronics, Cardiovascular system, Dissertation 06857
Measurement, Nondestructive testing, Elastic waves 01975
Measurement, Sensors 03514
Measurement, Structural analysis, Pressure, Radiation, Dissertation 06851
Meteorology, Waves, Frequency, Wind, Signal processing 06850
Microphones, Wires, Product development 03070
Microscopy, Elasticity, Image processing, Dissertation 03506
Microscopy, Velocity, Impedance, Beam propagation 03502
Microwaves, Wave propagation, Neurology, Pressure 00525
Motor vehicles, Transducers, Control systems, Automation, Economics 00622
Navigation, Marine technology 09486
Navigation, Marine technology, Calibration 09487
Navigation, Unmanned vehicles, Tracking 07048
Noise, Modeling, Wind, Meteorology, Measurement 06844
Nondestructive testing, Optics, Lenses, Materials testing, Dissertation 06849
Nondestructive testing, Plastics 01974
Nondestructive testing, Strain, Vibration, Bars 01979
Oceanography, Depth measurement, Signal transmission, Computer aided analysis 00569
Oceanography, Electromagnetic waves, Wave propagation, Sonar 02275
Oceanography, Geophysics, Wave propagation, Soil science 00562
Optics, Receivers, Channels, Calibration, Noise 08927
Oscillation, Electromagnetic waves, Strain, Zinc 00340
Phonetics, Linguistics, Signal to noise ratio, Matrices 04686
Piezoelectricity, Transducers, Arrays, Goal programming, Mathematical models 02666
Pipelines, Damping, Pulse generation, Resonance, Pressure measurement 01982
Pressure, Gases, Bubbles, Liquids, Numerical analysis 03516
Pressure, Scattering, Impedance, Dissertation, Cylinders 08480
Public address systems, Performance 03074
Quartz, Stress, Frequency, Thermoelasticity, Least squares estimation 08483
Radiators, Transducers, Circuitry, Dissertation 09143
Resonance, Frequency, Metal halides, Optical systems 04296
Resonance, Vibration, Cross sectional measurement, Durometers 05099
Resonance, Viscoelasticity, Wave propagation, Materials testing 01966
Reverberation, Detection, Receivers, Sonar 03111
Rotors, Circulation, Control systems, Noise, Wind tunnels 05103
Sampling methods, Biology, Fluorescence, Oceanography, Dissertation 00333
Scanning, Microscopy, Elastic constants 08485
Scattering, Semiconductors, Germanium, Magnetoresistance 01112
Sensors, Fiber optics, Interferometers, Filters, Lasers 07749
Sensors, Silicon, Films, Structural analysis, Frequency 06848
Signal processing, Biomedical engineering, Mathematical models 05107
Signal processing, Classification, Artificial intelligence 06340

Acoustics, (continued)
Signal processing, Echoes, Computer aided analysis, Dissertation 0
Signal processing, Nondestructive testing, Structural analysis 0
Signal processing, Oceanography, Data transmission, Systems design 0
Signal processing, Receivers, Noise, Detection, Underwater technology 0
Signal processing, Wave propagation, Diodes, Dissertation 0
Signal to noise ratio, Filters, Scanning electron microscopy, Televisions 0
Signals, Bandwidths, Noise, Distortion 0
Sonar, Image processing, Marine technology 0
Sonar, Remote sensing, Detection, Modeling 0
Sound propagation, Deep water, Modeling 0
Sound propagation, Scattering, Nonlinear systems, Vibration, Dissertation 0
Sound synthesis, Spatial processing, Music, Modeling 0
Space technology, Satellites, Vibration, Antennae, Simulation 0
Speech synthesis, Generators, Signal processing, Approximations, Amplitude 04
Stress measurement, Metals, Nondestructive testing, Acoustoelasticity 0
Systems analysis, Modes, Sound synthesis 01
Thermal variables measurement, Nondestructive testing, Structural analysis 0
Thermal variables measurement, Thermometers, Signal transmission 01
Transducers, Frequency, Transformers, Measurement, Ultrasonics 0
Transducers, Polyvinylidene fluoride, Imaging, Dissertation 01
Transformers, Wave propagation, Velocity 0
Transmission lines, Electromagnetic fields, Mapping, Minerals and ores 03
Ultrasonic testing, Hydrophones, Polymers, Frequency, Signal to noise ratio 03
Ultrasonics, Channels, Instrumentation, Reliability, Flowmeters 08
Ultrasonics, Instrumentation, Sensors, Inspection, Materials testing 05
Ultrasonics, Toxicity, Cytology, Rats 02
Underwater technology, Coatings, Viscoelasticity, Absorption, Resonance 00
Underwater technology, Transducers, Calibration, Design 04
Vibration, Spectral analysis 01
Wave propagation, Audio systems, Public address systems 03
Wave propagation, Boundary layers, Laminar flow, Anemometers 01
Wave propagation, Crystals, Phase transitions 03
Wave propagation, Diffraction, Numerical analysis, Dissertation 03
Wave propagation, Rayleigh scattering, Iron 00
Wave propagation, Sensors, Silicon dioxide, Lithium niobate 05
Wave propagation, Sound reinforcement, Audio systems 03
Wave propagation, Stress, Strain, Numerical analysis, Dissertation 06
Wave propagation, Waveguides, Superfluidity, Helium 05
Waveforms, Speech recognition, Interactive systems, Audio systems 01
Waveguides, Resonance, Frequency, Porosity, Cryogenics 08
Wavelengths, Image processing, Displays, Scanning, Transducers 01
Waves, Scattering, Underwater technology, Numerical analysis, Oceanography 05
Acoustooptics,
Absorption, Signals, Charge carriers 00
Amplitude, Modulation, Image processing, Ultrasonics, Transducers 06
Chemical variables measurement, Detectors 03
Fourier transforms, Signal processing 00
Gas lasers, Pumping, Microwaves, Mode locking 08
Integrated circuits, Waveguides, Signal processing, Dissertation 00
Lasers, Attenuation, Frequency, Modulators, Heterodyne reception 089
Lasers, Modulators, Alignment 008
Oscillators, Voltage, Stability 008
Photodetectors, Lasers, Spectral analysis, Signal processing 039
Relaxation, Spectroscopy, Time measurement, Lasers, Absorption, Dissertation 039
Signal detection, Delay, Spectral analysis 008
Solar cells, Signals, Interferometry, Temperature 008
Spectroscopy, Lasers, Absorption, Photons, Thallium halides 025
Spectroscopy, Waveguides, Gas lasers, Dissertation 008
Transducers, Design, Focusing, Dissertation 091
Transducers, Modulation, Switching 010
Ultrasonics, Light, Diffraction, Anisotropy, Integral equations 068
Actinometers,
Photolysis, Organic compounds, Poly(methyl methacrylate) 051
Actuators,
Automatic testing, Computer aided analysis, Fatigue 002
Controllers, Input output, Tracking, Problem solving, Integration 06
Design, Fabrication, Electric power apparatus, Aircraft 085
Energy storage components, Modeling, Audio systems 091
Guidance and control systems, Optimization, Position control 052
Lasers, Lenses, Disks, Optical storage 015
Magnetic variables control, Modeling, Dissertation 052
Optical storage, Disk drives, Servomechanisms, Design, Performance 081
Propulsion, Fiber optics, Aircraft engineering 06
Robots, Manipulators, Control systems, Servomechanisms, Numerical analysis 052
Signals, Semiconductor lasers, Recording systems, Disks 014
Space technology, Controllers, Design 06
Spacecraft, Attitude control, Optimization 06
Adaptive control,
Antennae, Arrays, Signal processing, Computer aided analysis 00
Arrays, Antennae, Signal processing, Phase locked loops, Dissertation 01
Arrays, Design, Modeling 08
Computer aided control, Inspection, Robots, Vision, Pattern recognition 03
Control systems, Robots, Software development, State of the art 05
Control systems, Stability, Parameter estimation 05
Electric power generation, Algorithms, Stability 08
Filters, Signal to noise ratio, Electroencephalograms, Measurement errors 00
Helicopters, Control systems, Fuel efficiency, Systems design, Turbines 02
Image processing, Remote sensing, Antennae, Cameras, Radios 02
Mechanical handling, Manipulators, Dissertation 05
Pulse code modulation, Quantization, Signal processing, Autoregressive analysis 07
Satellite communications, Bandwidths, Allocation, Antennae, Fading 07
Time varying systems, Parameter estimation, Error 05
Adhesion,
Electrostatics, Materials testing, Surface properties, Measurement 00
Reliability, Integrated circuits, Coatings, Black oxides 02

esives,
- hemical variables control, Automatic control, Packaged components 02782
- omposite materials, Printed circuit boards, Integrated circuits 02866
- ber optics, Cables, Elasticity, Buckling, Failure 07696
- icroelectronics, Contamination, Ions, Semiconductors 02859
- robes, Microelectronics, Integrated circuits, Thermal variables measurement 02791

ittance,
- ommunication networks, Impedance, Circuitry, Transmission lines 04778
- onductance, Noise, Two port devices 00296
- ylindrical antennae, Measurement errors, Current 00060
- lectromagnetic waves, Noise, Carrier mobility, Transistors 01174
- abrication, Conductance, Metal insulator semiconductors 01136
- atrices, Nodes, Transmission lines, Transformers 01783
- ransmission lines, Optics, Modulation, Circuitry, Numerical analysis 04301

sorption,
- hemical variables control, Etching, Copper indium sulfide 02504
- ryogenics, Refrigeration, Pumps, Phase transitions, Cryostats 05794
- ases, Molecules, Semiconductors, Transport properties 03559
- ases, Zinc oxide, Single crystals, Sensors, Electrical conductivity 03545
- etals, Semiconductors, Schottky diodes, Hydrogen, Silicon 07550
- itrogen dioxide, Phthalocyanine, Films, Sensors, Electrical conductivity 03541
- xygen, Metal oxide semiconductors, Gases, Sensors 08419
- adiation, Microwaves, Waveguides, Biology 03235
- olids, Pressure, Infrared, Spectral analysis 05050

rodynamics,
- Airfoils, Aerospace test facilities, Boundary layers 02115
- Automotive engineering, Computer aided design, Honeywell DPS 6-80M 03765
- Flight control systems, Calibration, Energy storage components, Shock waves 00458
- Flight control systems, Signal processing, Space stations, Solar energy, Jets 00485
- Flight testing, Research and development, Velocimeters 00455
- Flow, Aerospace test facilities, Holography, Interferometry, Recording systems 05782
- Guidance and control systems, Spacecraft, Performance, Simulation 05270
- Lasers, Velocimeters, Turbulence, Measurement, Propellers 05251
- Military aircraft, Guidance and control systems, Simulation, Performance 08591
- Modeling, Airfoils, Stability, Transonic flow 08584
- Modeling, Rotors, Blades, Darrieus rotors 03268
- Motor vehicles, Product development, Transportation, Dissertation 02330
- Propellers, Wind turbines, Performance, Velocity, Numerical analysis 04859
- Refractive indices, Gas lasers, Pumping 00922
- Research and development, Missiles, Propulsion, Reliability 06984
- Spacecraft, Satellites, Guidance and control systems, Torque measurement 00477
- Telecommunications, Satellites, Control systems, Spacecraft 00476
- Transonic flow, Helicopters, Rotors, Blades 03536
- Velocity measurement, Lasers, Wind tunnels 07433
- Wind turbines, Modeling 01708

rosols,
- Accelerators, Mass spectrometry, Atmospheric conditions, Isotopes 00309
- Holography, Image processing, Atmospheric conditions, Quality control 00365
- Particle size, Americium, Electric fields, Ions, Charge 01924

erospace engineering,
- Accelerators, Spacecraft, Voltage 00470
- Capital investment, Robots, Flexible manufacturing systems 08564
- Communications, Spacecraft, Product development 00480
- Data communications, Networks, Packet switching, Systems design 06201
- Galiium arsenide, Semiconductors, Field effect transistors, Satellites 01245
- Gases, Contaminants, Pollution control, Particulates 00456
- Optics, Remote sensing, State of the art 04339
- Satellite communications, Production, Economics, Data transmission 05260
- Satellites, Communications, Infrared, Mapping 05280
- Software development, Guidance and control systems, Microcomputers, Receivers 06280
- Spacecraft, Software packages, Fiber optics, Signal transmission 07709
- Technological forecasting, Government policies, Satellites 03634
- Telecommunications, Satellites, Radio waves 01404
- Telemetry, Research and development, Communications 04584

erospace industry,
- Geometry, Guidance and control systems, Mapping, Data processing 00549
- Manufacturing, Robots, Drilling, Grinding, Research and development 06915
- Micrographics, Personnel, Training, Economics, Records management 03986

erospace simulation,
- Aircraft, Microprocessors, Flight control systems 00464
- Displays, Helicopters, Military engineering 05248
- Vortices, Landing gear, Guidance and control systems, Displays 00486

erospace test facilities,
- Aircraft engineering, Internal combustion engines 03628
- Airfoils, Aerodynamics, Boundary layers 02115
- Batteries, Safety systems, Missiles, Standards 01794
- Flow, Aerodynamics, Holography, Interferometry, Recording systems 05782
- Guidance and control systems, Spacecraft, Space technology, Missiles 02085
- Helicopters, Automatic testing 00454
- Propulsion, Electromagnetics, Acceleration 08045
- Spacecraft, Guidance and control systems, Performance 02089
- Telemetry, Computer aided control, Realtime systems 04585
- Wind tunnels, Aerodynamics, Velocity measurement, Lasers 07433
- Wind tunnels, Aircraft engineering, Helicopters 05247

Ageing,
- Degradation, Heterostructure lasers, Statistical analysis, (Al,Ga)As/GaAs 00948
- Gallium arsenide, Amplifiers, Field effect transistors, Reliability 08803
- Gallium arsenide, Ohmic contacts, Gold, Germanium 00298
- Insulators, Stress, Thermal variables measurement, Numerical analysis 08188
- Integrated circuits, Metal oxide semiconductors, Reliability 01257
- Moisture measurement, Polymers, Heat treatment, Transducers 02004
- Nickel, Sintering, Electrochemical reactions 08310
- Service life, Connectors, Networks, Telecommunications 02468
- Thermal insulation, Stress, Coil winding machines, Electric variables control 00718
- Transformers, Electric variables measurement 06584

Agriculture,
- Aerial photography, Remote sensing, Microcomputers, Classification, Mapping 02235
- Agricultural machinery, Tractors, Control systems, Electronic equipment 00620
- Automation, Mechanical handling, Robots, State of the art 02328
- Cartography, Mapping, Remote sensing 05355
- Computer graphics, Remote sensing, Soil science 07036
- Ecology, Resource management, Transducers, Leaf wetting, Measurement 05842
- Granular materials, Pest control, Microwaves, Thermodynamics, Soil science 05047
- Image processing, Satellite communications, Sensors, Algorithms, Forestry 05356
- Image processing, Tracking, Computer programs, Simulation 02236
- Radar, Imaging, SEASAT 09510
- Remote sensing, Image processing, Mapping, Florida 02243
- Remote sensing, Stress, Plants, Statistical analysis 00543
- Research and development, Soil science, Pollution control, Remote sensing 07021
- Scanning, Spectral analysis, Spectroradiometers, Remote sensing 08655
- Simulation, Remote sensing, Microwaves 05350
- Thermal variables measurement, Moisture measurement, Calibration, Dissertation 00362
- Tracking, Image processing, Scanning, Satellite communications 02227

Air pollution,
- Combustion, Diffusion, Oxidation, Electric fields 08441
- Nitrogen oxides, Furnaces, Emissions control, Measuring instruments 08496

Air traffic control,
- Aircraft, Accidents, Radar, Safety systems 06947
- Aircraft, Tracking, Radar, Kalman filters 07861
- Communications, Speech transmission, Modulation 07687
- Computer graphics, Displays, Communication networks, Reliability 03093
- Italy, Research and development, Navigation 07856
- Performance, Simulation, Speech transmission, Packet switching 07938
- Radio communications, Speech transmission 08732
- Systems design, Radar, Specifications 03657

Aircraft,
- Air traffic control, Accidents, Radar, Safety systems 06947
- Air traffic control, Tracking, Radar, Kalman filters 07861
- Antennae, Electromagnetics, Coupling, Computer aided analysis 06492
- Automation, Scheduling, Traffic, Operations research 00465
- Ballistics, Flight control systems, Systems design, Flight/fire control systems 00453
- Computer applications, Control systems, Lightning, Simulation 00471
- Control systems, Electronics, Ventilation, Thermal properties 06972
- Data transmission, Routing, Channels, Multiplexing, Data compression 04657
- Displays, Luminescence, Human factors 00824
- Distance measurement, Position control, Synchronization, Radar 03100
- Electric power apparatus, Actuators, Design, Fabrication 08585
- Electric power apparatus, Design, Costs, Planning 08586
- Electric power apparatus, Research and development, Design 08588
- Electric power apparatus, Research and development, Service life, Costs 08587
- Electronic equipment, Packaging, Failure, Process development 06070
- Flight control systems, Automation, Autopilot 08583
- Flight control systems, Lightning 06977
- Flight control systems, Navigation, Government policies 04701
- Flight testing, Research and development, Velocimeters 00455
- Fuel systems, Monitoring, Water detection 02100
- Gauges, Crack propagation, Fatigue, Mathematical modeling, Dissertation 00461
- Guidance and control systems, Displays, Technology, Research and development 05249
- Guidance and control systems, Maximum likelihood estimation, Failure, Detection 02082
- Guidance and control systems, Prediction, Identification, Dynamics, Automation 00467
- Guidance and control systems, Reliability, Testing, Architecture 02077
- Guidance and control systems, Stability, Energy, Displacement 05254
- Guidance and control systems, Stability, Optimization, Quality control 06967
- Guidance and control systems, Wind, Turbulence, Noise, Dissertation 02075
- Helicopters, Aerospace simulation, Displays, Military engineering 05248
- Helicopters, Frequency, Vibration, Optimization, Structural analysis 05250
- Landing gear, Guidance and control systems, Sensors, Filters, Microwave devices 03631
- Lightning, Current, Simulation, Performance 00452
- Lightning, Protection, Radar 02279
- Mapping, Displays, Remote sensing, Image processing, Radar 02895
- Meteorology, Data collection, Computer aided analysis, Monitoring 00574
- Microelectronics, Guidance and control systems, Interactive systems 02105
- Microprocessors, Flight control systems, Aerospace simulation 00464
- Microwave devices, Guidance and control systems, Performance, Design 06968
- Microwaves, Radar, Remote sensing, Systems design, Data processing 01526
- Military engineering, Data communications, Radio communications 05285
- Military engineering, Research and development, Systems analysis 03655
- Military engineering, Weapons, Missiles, State of the art 06983
- Military equipment, Weapons, Manufacturing 06982
- Missiles, Performance, Velocity, Tracking, Simulation 05258
- Navigation, Extrapolation, Optimization, Filtering, Algorithms 04697
- Position control, Legislation, Economics, Navstar 09496
- Production, Guidance and control systems, Testing 08589
- Propulsion, Control systems, Performance, Multivariate analysis, Modeling 08580
- Propulsion, Flight control systems, Simulation, Stability, Modeling 05266
- Radar, Maintenance, Training, Computer aided control, Research and development 06291
- Remote sensing, Military engineering, Microelectronics, Economics, Combat 00501
- Remote sensing, Oil spills, Environmental monitoring, Photography 00534
- Robots, Distributed systems, Guidance and control systems, Expert systems 00441
- Safety systems, Standards, Flight control systems, Computer aided control 00478
- Satellite communications, Navigation, Guidance and control systems 00491
- Simulation, Instrumentation, Displays, Guidance and control systems 00457
- Simulation, Technology, Training, Microprocessors, Economics 06964
- Software, Input, Stability, Guidance and control systems, Plotting 00466
- Solar energy, Product development 00460
- Stability, Turbulence, Measurement, Boundary layers, Flow 09034
- Technology, Cost benefit analysis, Navigation, Ships 04696
- Technology, Microcomputers, Electronic equipment, Interference, Frequency 07090
- Trajectories, Fuel efficiency, Numerical analysis 02114
- Transportation noise, Meteorology, Atmospheric conditions, Absorption 05243
- Weight measurement, Sensors, Magnetic variables control, Calibration 03649

Aircraft, (continued)
Wings, Structural analysis, Elasticity, Guidance and control systems 05253
Aircraft engineering,
Actuators, Propulsion, Fiber optics 06960
Automation, Economics, McDonnell Douglas 08514
Communications, Military aircraft, Speech recognition, Software development 06275
Composite materials, Cutting, Lasers, Computer graphics, Nesting 04046
Control systems, Voltage, Laboratory testing 06976
Economics, Altitude, Safety systems, Government regulations 06946
Fasteners, Robots, Wings, Charge coupled devices, Cameras 05244
Flight control systems, Architecture 03627
Flight control systems, Fuel efficiency, Energy conservation, Boeing 737-300 06979
Flight control systems, Military aircraft, Automatic control 02119
Flight control systems, Position control 05252
Guidance and control systems, Automation, Lasernav 06285
Guidance and control systems, Displays, Technology 02103
Guidance and control systems, Reliability, Standards, Electronic equipment 08582
Guidance and control systems, Testing, Trajectory, Propulsion, Boundary layers 05261
Guidance and control systems, Turbines, Electronic equipment, Technology 02074
Helicopters, Automatic control, Mathematical models, Autopilot 06971
Helicopters, Computer aided design 02092
Helicopters, Displays, Flight control systems, Computer aided design 02080
Helicopters, Rotors, Blades, Transonic flow 03536
Helicopters, Vibration, Controllers, Simulation 00463
Instrumentation, Technology, Software packages, Management information systems 05264
Internal combustion engines, Aerospace test facilities 03628
Jet engines, Testing, Computer aided analysis 00459
Landing gear, Military aircraft, Specifications, Testing 02094
Microelectronics, Integrated circuits, State of the art 02113
Military aircraft, Displays, Instrumentation, Technology 06953
Military aircraft, Flight control systems, Displays, Color 06948
Military aircraft, Helicopters, Agusta A129 Mongoose 06962
Military aircraft, Lasers, Gyroscopes 04038
Military aircraft, Multiplexing, Buses, Maintenance 02116
Military aircraft, Sensors, Flight control systems, Electron beam technology 06955
Military aircraft, Technology, Radar, Antennae 09498
Military engineering, Production control, Flight testing 05275
Modeling, Ergonomics 05256
Modeling, Surface properties, Current, Transient response 03626
Optics, Design, Quality control, Simulation, Displays 08885
Oscillation, Attitude control, Modeling 03645
Propulsion, Solar energy, Circuitry, Simulation, Capacitors 04997
Research and development, Military aircraft, Fiber optics, Speech recognition 05255
Robots, Mechanical handling, Composite materials, Assembling, Cutting 05183
Software development, Microprocessors, Displays, Guidance and control systems 06958
Systems design, Weapons, Technology, Integrated systems 03656
Technology, Flight control systems, Systems design 00487
Wind tunnels, Helicopters 05247
Aircraft engines,
Flow of gases, Compressible flow, Computer aided analysis 02076
Internal combustion engines, Aerospace test facilities 03628
Noise, Research and development, Government regulations 02079
Propulsion, Monitoring, Microprocessors 00462
Airfoils,
Aerodynamics, Aerospace test facilities, Boundary layers 02115
Airlines,
Communication networks, Data processing, Interactive systems, Traffic 02981
Airports,
Automation, Air traffic control 00627
Corrections, Synchronization, Sensors, Data transmission 05440
Helicopters, Flight control systems, Computer aided control, Displays 00468
Power systems, Switching, Circuit breakers, Buses, Transmission lines 03637
Time measurement, Data transmission, Synchronization, Sensors 05440
Traffic, Control systems, Radar, Signal processing, Computer graphics 06290
Alarm systems,
Control systems, Military aircraft, Displays, Systems design 03624
Displays, Computer aided control, Drilling, Ships, Risk assessment 00586
Instrumentation, Protection 08711
Alaska,
Remote sensing, Information systems, Resource management, Geography, Lakes 03689
Satellite communications, Teleconferencing, Networks, Education 06174
Algorithms,
Thermodynamics, Power plants, Loading, Problem solving 06610
Alignment,
Holography, Image processing, Amplitude, Coherence 01005
Tolerance, Transmission lines, Connectors, Fiber optics 02935
Alloys,
Aluminum, Thin films, Electromigration, Kinematics 07239
Cadmium manganese telluride, Cadmium manganese selenide, Photoluminescence 02706
Cobalt, Crystal defects, Radiation, Mossbauer spectroscopy 00371
Electric fields, Modeling, Structural analysis, Scattering, Current voltage 01945
Electroplating, Films, Acids, Thermal variables control, Optimization 03326
Gold, Palladium, Contacts, Friction, Wear 07229
Polarization, Electrodes, Potentials, Defects 05142
Sensors, Electric variables control, Nickel, Iron, Materials testing 04337
Silver, Contacts, Manufacturing, Oxidation, Atomization 07236
Alpha radiation,
Glass, Integrated circuits, Packaged components, Seals 02783
Josephson junctions, Tunnel junctions, Current density, Switching 04208
Spectroscopy, Radioisotopes, Assays, Electronics 08398
Alternators,
Electric power generation, Cryogenics, Superconductivity, Rotors 04252
Excitation, Stability, Synchronous motors 06558
Impedance, Finite element method, Magnetic fields, Eddy current 06676
Superconductors, Force, Torque measurement, Resonance 03293
Altimeters,
Filtering, Satellites, Remote sensing, Oceanography 00
Oceanography, Satellite communications, Resonance 00
Altimetry,
Oceanography, Data collection, Systems analysis, Satellites 03
Aluminum,
Acoustics, Tensile strength, Compression testing 01
Alloys, Polarization, Defects, Electrodes, Potentials 05
Alloys, Silver, Superconductors, Current voltage, Defects 09
Alloys, Superconductivity, Thermal variables measurement, Antennae 03
Alloys, Thin films, Electromigration, Kinematics 07
Aluminum alloys, Welding, Lasers, Absorption 01
Beryllium, Isotopes, Accelerators, Mass spectrometry, Cosmic rays 00
Bridges, Thermal variables measurement, Current, Microwaves 04
Cables, Connectors, Stress, Plating, Telephones 07
Capacitors, Electrochemistry, Dielectricity, Current voltage, Leakage current 04
Casting, Automotive engineering, Inspection, Radiography 01
Connectors, Corrosion prevention, Abrasion, Surface protection 07
Contacts, Surface properties, Fretting, Corrosion, Scanning electron microscopy 06
Corrosion, Electrochemical reactions, Impedance, Measurement 03
Current density, Infrared, Radiative transfer, Films, Anodes 01
Electrodes, Dry cells, Corrosion, Quality control 06
Etching, Boron chloride, Plasmas, Integrated circuits, Fabrication 02
Fabrication, Surface acoustic waves, Quality control 03
Films, Thickness measurement, Eddy current, Computer aided analysis 07
Gas lasers, Signal processing, Focusing, Plasmas, Ion collectors 09
Granular materials, Fracture, Ultrasonics, Acoustic waves 00
Metal oxide semiconductors, Electron beams, Surface properties, Capacitors 00
Metal oxide semiconductors, Random access memory, Power supply, Batteries 04
Niobium compounds, Solenoids, Superconductors, Stability, Nb_3Sn 04
Polysilicon, MOSFET, Fabrication, Heat treatment 07
Position control, Counters, Tensile strength, X-rays, Computer aided control 01
Silicides, Contacts, Electrical resistivity, Semiconductors, Friction 03
Silicon, Contact resistance, Boron, Doping, Annealing 03
Silicon, Contacts, Electrical resistivity, Doping, Transmission lines 05
Silicon, Schottky diodes, Fabrication, Sputtering, Etching 02
Stress measurement, Nondestructive testing, Acoustoelasticity 00
Superconductivity, Magnetic fields, Resistivity 01
Superconductors, Microstrips, Microwaves, Impedance 05
Superconductors, Stability, Magnetoresistance 04
Surface properties, Ultrasonics, Wave propagation 08
Thin films, Electrons, Transport properties, Electrical resistivity 03
Thin films, Tantalum, Nitrogen, Doping, Capacitors 03
Aluminum alloys,
Welding, Lasers, Aluminum, Absorption 01
Aluminum arsenide,
Gallium arsenide, Electrical conductivity, Mixed crystals, Scattering 04
Aluminum gallium arsenide,
Crystal growth, Field effect transistors, Metal insulator semiconductors 01
Gallium arsenide, HEMT, MODFET, Transistors, Switching 04
Heterojunctions, Fabrication, Doping, Field effect transistors 07
Heterojunctions, Gallium arsenide, Differential resistance 05
Heterojunctions, Gallium arsenide, Doping, Field effect transistors 05
Heterojunctions, Liquid phase epitaxy, Epitaxial growth, Dissertation 02
Heterojunctions, Molecular beam epitaxy, Bipolar transistors, Performance 075
Heterojunctions, Spectral analysis, Reliability 04
Heterostructure lasers, Fabrication, Integrated circuits 07
Heterostructure lasers, Thickness measurement, Temperature, Power 00
Heterostructures, Electrons, Carrier mobility, Dissertation 011
Lasers, Capacitance voltage, Frequency, Electrical conductivity 089
Metal insulator semiconductors, Capacitors, Current voltage 088
Quantum wells, Heterostructure lasers, Design, Theoretical analysis 073
Semiconductor lasers, Charge carriers, Carrier density, Refractive indices 040
Semiconductor lasers, Frequency, Control systems, Signal to noise ratio 040
Semiconductor lasers, Frequency, Stability, Fabry Perot interferometers 040
Semiconductor lasers, Frequency, Stability, Noise 025
Semiconductor lasers, Frequency, Stability, Theoretical analysis 057
Semiconductor lasers, Heterojunctions, Wavelengths 009
Semiconductor lasers, Injection, Frequency, Stability 025
Semiconductor lasers, Noise, Theoretical analysis 009
Semiconductor lasers, Oscillation, Relaxation, Modulation 040
Semiconductor lasers, Stability, Photoelectric effect, Krypton 040
Semiconductors, Logic circuits, Field effect transistors 092
Solar cells, Simulation 025
Aluminum indium arsenide,
Molecular beam epitaxy, Avalanche photodiodes, Doping, Breakdown, Voltage 039
Molecular beam epitaxy, Heterojunctions, Bipolar transistors 027
Aluminum oxide,
Electrolytes, Surface properties, Degradation, Batteries 049
Insulators, Indium phosphide, MISFET, Carrier mobility, Capacitance voltage 055
Insulators, MOSFET, Indium phosphide, Channels, Transport properties 075
Americium,
Particle size, Aerosols, Electric fields, Ions, Charge 019
Ammonia,
Chemical lasers, Pumping, Raman effect, Wave equations 074
Gas lasers, Isotopes, Separators 073
Amorphous materials,
Barrier heights, Schottky effect, Contacts, Gallium arsenide, Si-Ge-B 043
Glass, Ultrasonics, Electromagnetic waves, Wave propagation 032
Silicon, Bibliography, Solar cells, Photovoltaics, Research and development 066
Silicon, Charge coupled devices, Electron density, Temperature 076
Silicon, Field effect transistors, Channels, Vertical-type 092
Silicon, Solar cells, Electric fields, Boron, Open circuit voltage 056
Silicon, Solar cells, Optical analysis, Schottky barriers 072
Silicon, Sputtering, Bias, Schottky barriers, Dissertation 091

acity,
- les, Insulators ... 06575
- nductors, Computer aided analysis, Transmission lines ... 00116

fication,
- ustics, Channels, Reverberation, Frequency ... 04769
- ctromagnetic waves, Wave propagation, Reflection, Atmospheric conditions ... 06445
- d effect transistors, Switching, Gallium arsenide, Silicon ... 02745
- quency, Neurophysiology, Audiology, Dissertation ... 03076
- nt, Laser diodes, Fiber optics ... 08978
- rowaves, MESFET, Gallium arsenide, Field effect transistors ... 05964
- tics, Radiation, Electrodes, Gas lasers ... 09015
- se generation, Nozzles, Gas lasers, Mixers ... 04033
- nal processing, MTOS, Junctions, Dissertation ... 05975
- raviolet, X-rays, Plasmas, Recombination, Numerical analysis ... 08057

lifiers,
- orithms, Signal processing, Software development, Controllers ... 07902
- alog to digital converters, Design, Signal processing, Bipolar devices ... 08832
- alog to digital converters, Logic, Signal to noise ratio, Stability ... 05538
- dio systems, Noise, Integrated circuits, Signal processing, Filtering ... 03072
- dges, Resistance, Thermal variables measurement, Detectors ... 08809
- oadcasting, Satellite communications, Receivers, Field effect transistors ... 03851
- pacitors, Analog to digital converters, Switching, Voltage, Signal processing ... 03879
- pacitors, Charge transfer, Error, Switched capacitors ... 03896
- pacitors, Filters, Frequency, Switching ... 07191
- pacitors, Frequency, Filters ... 00659
- rbon dioxide, Gas lasers, Electrons, Spectral analysis ... 00926
- rcuitry, Communication networks, Loading, Noise, Design ... 00671
- rcuitry, Error, Frequency, Impedance, Design ... 00686
- rcuitry, Fabrication ... 03845
- rcuitry, Matrices, Economics, Computer aided analysis ... 02428
- rcuitry, Random access memory, Design ... 02438
- rcuitry, Signal processing, Voltage, Mathematical models, Education ... 07189
- rcuitry, Voltage, Stability, Numerical analysis, Biomedical engineering ... 05504
- ommunication networks, Topology, Microwave devices, Gallium arsenide ... 08801
- ommunications, Filters, Signal processing ... 05454
- omputer programs, Programmable calculators, Filters, Biomedical engineering ... 00640
- onferencing circuits, Signal processing, Feedback, Voltage ... 03849
- ontrol systems, Current voltage, Frequency ... 07186
- ryogenics, Receivers, Modules, Image processing, Radiometry ... 03439
- urrent, Semiconductors, Defects, EBIC ... 06886
- elay, Modems, Input output ... 03836
- esign, Microelectronics, Circuitry ... 05522
- electrics, Waveguides, Cyclotrons, Electron beams ... 07199
- ye lasers, Oscillators, Mode locking, Pulse generation ... 00992
- lectromagnetic waves, Impedance, Antennae, Receivers ... 06505
- lectron beams, Plasmas, Photomultipliers ... 00763
- xcitons, Decay, Lasers, Frequency ... 08991
- abrication, Digital to analog converters, Thermal variables control ... 03848
- abrication, Gain, Power supply ... 03844
- eedback, Filters, Compensation, Resistors ... 07187
- iber optics, Optical communications, Receivers ... 09355
- iber optics, Signal reception, Noise, State of the art ... 09341
- ibonacci numbers, Design ... 05483
- Field effect transistors, Communication networks, Topology, Microwave devices ... 03852
- Field effect transistors, Current voltage, Noise, Feedback ... 05952
- Field effect transistors, Filters, Cooling, Noise ... 08814
- Field effect transistors, Gallium arsenide, Computer aided design ... 03853
- Field effect transistors, Power, Frequency, Gallium arsenide ... 08806
- Field effect transistors, Switching, Input, Bipolar devices ... 02431
- Filtering, Topology, Metal oxide semiconductors, Circuitry, Capacitors ... 05570
- Filters, Bandwidth, Frequency, Distortion, Numerical analysis ... 00641
- Filters, Bipolar devices, Integrated circuits, Control systems, Current voltage ... 08755
- Filters, Capacitors, Recursion, Design, Numerical analysis ... 05457
- Filters, Design, Performance, Dissertation ... 08760
- Filters, Feedback, Input, Embedding, Circuitry ... 00634
- Filters, Frequency, Design, Attenuation, Bandwidths ... 00649
- Filters, Frequency, Displacement, Distortion, Structural analysis ... 05447
- Filters, Frequency, Signal processing ... 08761
- Filters, Integrated circuits, Design, Structural analysis, Dissertation ... 03780
- Filters, Performance, Circuitry ... 03842
- Filters, Sensitivity, Organization and methods, Theorem proving ... 03784
- Filters, Signal processing, Frequency, Volterra series, Distortion ... 00642
- Filters, Switched capacitors ... 02416
- Free electron lasers, Wave propagation, Numerical analysis ... 00924
- Frequency, Metal oxide semiconductors, CMOS ... 03846
- Gain, Filters, Switching, Capacitors ... 02477
- Gallium arsenide, Field effect transistors, Ageing, Reliability ... 08803
- Gallium arsenide, Field effect transistors, Bipolar junction transistors ... 07188
- Gallium arsenide, Field effect transistors, Computer aided design ... 08807
- Gallium arsenide, Field effect transistors, Frequency, Power ... 08815
- Gallium arsenide, Field effect transistors, Microwaves, Fabrication, Design ... 08802
- Gallium arsenide, Field effect transistors, Microwaves, Scattering, Noise ... 09254
- Gallium arsenide, Field effect transistors, Phase shifts, Design ... 08813
- Gallium arsenide, Field effect transistors, Power, Signal processing ... 08810
- Gallium arsenide, Field effect transistors, Satellite communications ... 03003
- Gallium arsenide, Microwave devices, Communication networks ... 03843
- Gallium arsenide, Noise, Integrated circuits, Microelectronics ... 05524
- Gas lasers, Carbon dioxide, Gain, Spectral analysis ... 00974
- Gunn effect, Indium phosphide, Optimization, Millimeter waves ... 05531
- Gyrotrons, Traveling waves, Waveguides, Magnetic fields, Numerical analysis ... 07948
- Gyrotrons, Waveguides, Magnetic fields, Simulation ... 08082
- Harmonics, Modulation, Nonlinear systems, Computer aided analysis ... 07192
- mpedance, Inductance, Frequency, Performance ... 08424
- ntegrated circuits, Bipolar transistors, Switching ... 05494
- ntegrated circuits, Capacitance, Performance ... 08798
- ntegrated circuits, Fabrication, Performance, Cascomp error correction ... 05519

Amplifiers, (continued)
- Integrators, Circuitry ... 07171
- Integrators, Tuning, Circuitry, Fabrication ... 07195
- Iodine, Lasers, Pulse generation, Pumping ... 00981
- Ionic conduction, Current, Circuitry, Mass spectrometry ... 05523
- Klystrons, Signal processing, Radar, Transmitters, Accelerators ... 08859
- Lasers, Noise, Modulators, Computer aided analysis ... 00988
- Lasers, Plasma heating, Radiation, Nuclear reactions ... 06635
- Magnetic fields, Lasers, Waveguides, Kinematics ... 00935
- Manometers, Electrostatics, Pressure, Transformers, Transducers ... 06873
- Materials planning and control, Wavelengths, Fiber optics, Detectors ... 01375
- MESFET, Gallium arsenide, Passivation, Silicon nitride, Silicon monoxide ... 07601
- MESFET, Transistors, Computer aided design, Gallium arsenide ... 08805
- Metal oxide semiconductors, Equalizers, Transfer functions, CMOS ... 04653
- Metal oxide semiconductors, Field effect transistors, Circuitry ... 02436
- Metal oxide semiconductors, Modeling, Current voltage ... 02430
- Metal oxide semiconductors, Voltage, Impedance, Gain, CMOS ... 03847
- Microwave devices, Fabrication, Computer aided design ... 04827
- Microwave devices, Resonators, Receivers, Broadcasting ... 03850
- Microwaves, Stability, Gallium arsenide, MESFET ... 08811
- Microwaves, Transistors, Computer aided design ... 05516
- Millimeter waves, Signal processing, Waveguides, Gyrotrons ... 07194
- Mixers, Signal to noise ratio, Performance ... 02437
- Modulation, Transient response, Performance ... 02433
- Multiplexers, Field effect transistors, ISFET ... 05517
- Networks, Microwaves, Field effect transistors ... 03854
- Networks, Synthesis, Transfer functions ... 03813
- Noise abatement, Systems design, Integrated circuits, Bipolar devices ... 02422
- Noise, Josephson junctions, Superconductivity ... 04118
- Noise, Signal converters, Switching, Filters, Dissertation ... 05480
- Noise, Transducers, Receivers, Signal processing ... 01990
- Numerical analysis, Gain, Power, Lasers ... 00938
- Operational amplifiers, Fault tolerance, Sensitivity ... 02424
- Optical analysis, Lasers ... 08808
- Optics, Waveguides, Thin films, Sputtering ... 09358
- Optimization, Simulation, Communication networks, Filters, Impedance ... 00648
- Oscillators, Bipolar transistors, Noise, Computer aided analysis ... 03863
- Oscillators, Differential equations, Numerical analysis ... 08822
- Oscillators, Pulse generation, Carbon dioxide, Gas lasers ... 00982
- Oscillators, Time measurement, Modeling ... 08735
- Output, Signal transmission, Telemetry, Channels ... 00689
- Photodiodes, Heterostructures, Fiber optics, Optical communications ... 06135
- Piezoelectricity, Sensors, Vibration, Accelerometers ... 00692
- Ports, Transformers, Frequency, Stability, Nonlinear programming ... 02676
- Potentials, Signal processing, Decoupling ... 03838
- Power, Amplitude, Modulation, Voltage, Radio frequency ... 08812
- Power transistors, Switching, Resistors, Parallel circuits ... 07197
- Pressure, Measurement, Piezoelectricity, Zinc oxide, Silicon ... 08386
- Programming, Attenuation, Buffers, Circuitry, Error ... 02429
- Radar, Calibration, Reflector antennae ... 04724
- Radio astronomy, Receivers, Tunnel junctions, Mixers ... 06494
- Radio communications, Semiconductors, Power supply ... 00685
- Radiometers, Optical communications, Detection, Noise, Impedance ... 01320
- Raman effect, Scaling, Lasers, Communications ... 00903
- Raman effect, Signal processing, Fiber optics, Lasers ... 09374
- Recording systems, Integrated circuits, Noise, Computer aided design ... 02432
- Reliability, Signal transmission, Modulation ... 04534
- Resonance, Waveguides, Magnetic fields, Numerical analysis ... 08401
- Satellite communications, Data transmission, Antennae ... 00688
- Satellite communications, Data transmission, Channels, Traveling wave tubes ... 05525
- Satellite communications, Mobile systems, Antennae, Frequency ... 04604
- Satellite communications, Noise, Circuitry ... 02434
- Satellite communications, Signal transmission, Traveling wave tubes, Noise ... 03165
- Semiconductor lasers, Carrier density, Refractive indices, Stability ... 00958
- Semiconductor lasers, Integrated optics, Fiber optics ... 07699
- Semiconductors, Surface acoustic waves, Numerical analysis ... 00338
- Sensors, Charge coupled devices, Metal oxide semiconductors ... 01211
- Signal processing, Surface acoustic waves, Phase shifts, Correlators, Memory ... 08479
- Signal processing, Synchronization, Voltage, Frequency, Integrators ... 00702
- Signal reception, Satellite communications, State of the art ... 05518
- Signal to noise ratio, Analog to digital converters ... 05520
- Signal to noise ratio, Filtering, Noise ... 00690
- Solitons, Voltage, Phases, Microwaves ... 03840
- Spectral analysis, Electrons, Optical analysis, Lasers ... 00921
- Stability, Frequency, Transistors, Ports ... 07190
- Storage, Capacitance, Signal processing, Sensors, Dissertation ... 02671
- Summation circuits, Measurement errors, Phase shifts ... 00684
- Superconductivity, Josephson junctions, Simulation ... 04117
- Switches, Comparators, Voltage, Filters, Signal processing ... 07193
- Switching, Circuitry, Capacitance, Numerical analysis ... 00661
- Switching, Integrated circuits, Superconductors, Product development, Inverters ... 02617
- Theoretical analysis, Resonance, Magnetic fields, Electron beams ... 08402
- Transconductance, Metal oxide semiconductors ... 08800
- Transistors, Frequency, Pin diodes, Thin films ... 08804
- Transistors, Noise, Frequency, Computer aided analysis ... 03839
- Transistors, Switches, Inverters, Inductors, Capacitors ... 07196
- Transistors, Thermal noise, Signal processing ... 07200
- Transistors, Threshold, Error, Integrated circuits ... 03871
- Traveling wave tubes, Data transmission, Satellites, Multiplexing, Distortion ... 02435
- Traveling wave tubes, Satellites, Klystrons, Helical antennae ... 01418
- Ultra high frequency, Signal processing, Magnetic fields, Spectrometers ... 03152
- Varactors, Diodes, Tuning, Modulation, Receivers ... 07198
- Video systems, Design, Optimization, Modulation ... 02919
- Voltage, Interference, Electrostatics ... 03835
- Voltage, Pulse generation, Transistors ... 02445
- Waveguides, Modes, Lasers, Wigglers ... 00932

Amplitude,
  Acoustic emissions, Signal processing, Nondestructive testing 01989
  Acoustic testing, Breakdown, Current, Insulators, Electric fields 00353
  Anisotropy, Fabry Perot interferometers, Ellipsometers, Computer aided control 07294
  Antennae, Wave propagation, Spectral analysis, Turbulence 08124
  Atmospheric conditions, Scintillation, Spectral analysis, Signal transmission 01629
  Channels, Current voltage, Frequency, Pulses, Detection 05167
  Coding, Frequency, Signal processing, Phase shift keying, Waveforms 03174
  Distributions, Filters, Interpolation, Antennae 01662
  Dye lasers, Pulses, Mode locking 08999
  Eddy current, Transducers, Phases, Conductivity 05845
  Estimation, Signal processing, Noise, Bayesian analysis, Modeling 03118
  Filters, Computer aided analysis 07118
  Filters, Integrals, Processors, Design, Dissertation 05495
  Filters, Transmission zeros 05442
  Frequency, Education, Networks, Instrumentation 07103
  Frequency, Modulation, Radio communications, Testing 09326
  Frequency, Satellites, Space stations 03651
  Holography, Image processing, Coherence, Alignment 01005
  Image processing, Filters, Diffraction, Numerical analysis 05732
  Loops, Quantizers, Phase shift keying, Modulation, Verification 01565
  Modulation, Distortion, Filters, Performance 06387
  Modulation, Image processing, Ultrasonics, Acoustooptics, Transducers 06386
  Modulation, Lasers, Computer aided control 07427
  Modulation, Power, Amplifiers, Voltage, Radio frequency 08812
  Modulation, Signal processing, Codes 07992
  Modulation, Signals, Frequency 03196
  Modulation, Threshold, Noise, Frequency 03117
  Optical communications, Image processing, Computed tomography, Diffraction 07330
  Optical communications, Modeling, Channels, Coupling, Signal to noise ratio 01331
  Oscillators, Circuitry 08824
  Phase shifts, Shielding, Short circuits, Buses, Current 00147
  Plasmas, Antennae, Signal processing, Lifetimes, Noise 08058
  Pulses, Measurement, Signal processing, Frequency, Numerical analysis 08429
  Quadrature rules, Equivalence, Modulation, Signal transmission 04775
  Radar, Scanning, Estimation, Signal to noise ratio, Simulation 02894
  Radio noise, Electromagnetics, Frequency, Astrophysics 06442
  Remote sensing, Turbulence, Spectral analysis, Wind, Modeling 08001
  Resolution, Gamma radiation, Detectors, Photomultipliers 05156
  Signal converters, Conductivity, Harmonics, Semiconductors 02694
  Signal processing, Channels, Satellite communications, Bandwidths, Feedback 01413
  Signal processing, Modulation, Weighting, Phase shift keying 07981
  Signal to noise ratio, Electromyography, Modulation 00523
  Spectrograms, Spectral analysis, Speech recognition, Telephones 04673
  Spectroscopy, Signal processing, Noise, Control systems 03482
  Speech synthesis, Generators, Signal processing, Approximations, Acoustics 04688
  Speech transmission, Coding, Algorithms, Modems, Dissertation 09477
  Statistical analysis, Noise, Networks, Radio communications, Signal processing 04526
  Time measurement, Pulses, Spectral analysis, Pulse generators 05078
  Ultrasonics, Magnetometers, Piezoelectricity, Sensors 06839
  Vibration, Measurement, Instrumentation, Construction 05115
  Vision, Mathematical models, Signal processing, Kinematics, Optics 05331
  Voltage, Circuitry, Thyratrons, Switches 07496
  Voltage, Testing, Insulation, Statistical analysis, Flashover 00153
  Waveforms, Voltage 03866
Analog systems,
  Filters, Design, State of the art, Microelectronics 08766
  Magnetic tapes, Recording systems 07855
  Reflectometry, Performance, Signal processing 08956
  Signal processing, Superconductors, Materials planning and control 04744
  Superconductivity, Transmission lines, Delay, Filtering, Signal processing 04056
Analog to digital conversion,
  Circuitry, Sensors, Research and development, Channels 07507
  Instrumentation, Programming, Architecture, Distributed systems, Telemetry 04597
  Integrated circuits, Converters, Performance 09290
  Integrated circuits, Signal processing, Processors, Microelectronics 04761
  Integrated circuits, Televisions, Receivers, Automation, Synchronization 02955
  Iteration, Measurement, Signal processing 06343
  Microprocessors, Polarization, Phases, Interferometry 00899
  Quantization, Signals, Televisions 01386
  Radar, Signal processing, Technology, Performance, Transformations 06299
  Random processes, Stability, Monte Carlo method, Error, Signal processing 08833
  Read only memory, Signal processing, Successive-approximation A/D 03751
  Signal processing, Current voltage 06314
  Signal processing, Integrated circuits, Flip flops, Counters, Superconductors 04061
  Signals, Interference, Weight functions 00701
  Speech transmission, Communication networks, Performance, Packet switching 07814
  Switching, Capacitance, Circuitry, Arrays 08853
  Televisions, Signal processing, Integrated circuits, Silicon 02945
Analog to digital converters,
  Amplifiers, Signal to noise ratio 05520
  Audio systems, Music, Systems design 09476
  Automation, Measurement errors 07092
  Calibration, Automatic testing, Measurement errors 08831
  Capacitors, Switching, Voltage, Signal processing, Amplifiers 03879
  Circuitry, Comparators, Capacitance 03373
  Circuitry, Signal processing, Power supply, Design, Dissertation 05806
  Data collection, Storage, Pulses, Controllers, Spectral analysis 05149
  Design, Signal processing, Amplifiers, Bipolar devices, Video systems 08832
  Fabrication, Potentiometric technique 05542
  Input output, Memory, Algorithms, Software development, Channels 05709
  Integrated circuits, Metal oxide semiconductors, Capacitors, Error, Arrays 09280
  Integrated circuits, Metal oxide semiconductors, Interfaces, Signal converters 01265
  Integrated circuits, Signal to noise ratio 05545
  Interference, Spread spectrum communications, Quantization 02454
  Josephson junctions, Superconductivity, Logic circuits 04064
Analog to digital converters, (continued)
  Logic circuits, Counters 08
  Logic circuits, Integrated circuits, Josephson junctions, Decoders 04
  Magnetization, Measurements, Computer aided control, Transducers 05
  Multipliers, Voltage, Time measurement, Economics 00
  Pulsewidth modulation, Controllers, Power supply 02
  Signal detection, Quantization, Noise, Filters 03
  Signal to noise ratio, Logic, Stability 05
  Superconductivity, Logic circuits, Signal converters, Fabrication 04
  Superconductivity, Signal converters, Logic circuits, Precision engineering 04
  Time measurement, Reliability, Sony Flash ADC CX 20052 05
  Time measurement, Signal processing 06
  Time measurement, Signal processing 06
  Very large scale integration, Parameter estimation, Parallel processing, Design 00
Anemometers,
  Acoustics, Wave propagation, Boundary layers, Laminar flow 01
  Calibration, Electronic equipment, Computer aided analysis 08
  Doppler anemometers, Lasers, Velocity, Nuclear reactors, Rod bundles 07
  Flow, Measurement, Frequency, Cylinders 08
  Flow of gases, Chemical variables measurement, Sensors 00
  Flow of gases, Coil winding machines, Sensors, Automotive engineering 02
  Flow, Sensors, Thermal conductivity, Heat transfer, Silicon 06
  Heat transfer, Velocity, Probes, Pressure measurement, Turbulent flow 00
  Lasers, Flowmeters, Velocity, Hydrodynamics 02
  Lasers, Granular materials, Statistical analysis, Computer aided analysis 01
  Neodymium, Lasers, Oscillators 05
  Simulation, Measurement errors, Lasers, Fluid dynamics 02
  Thermal variables measurement, Velocity, Atmospheric conditions, Dissertation 08
  Thermal variables measurement, Velocity, Heat transfer, Convection 02
  Velocity, Measurement, Flow, Lasers, Signal processing 03
  Volume measurement, Lasers, Probes, Thermistors, Instrumentation 04
Anemometry,
  Electrodes, Doppler shift, Lasers, Velocity, Particles, Arcs 02
  Lasers, Meteorology, Wind energy, Velocity 00
Angular measurement,
  Arrays, Sonar, Side lobe patterns 03
  Optics, Reflection, Anisotropy, Remote sensing 08
  Research and development, Guidance and control systems, Accelerometers 03
Animal husbandry,
  Aerial photography, Color, Remote sensing, Geography 022
Animation,
  Broadcasting, Video systems, Photography, Technology 029
Anisotropy,
  Amplitude, Fabry Perot interferometers, Ellipsometers, Computer aided control 072
  Beam propagation, Theoretical analysis 089
  Dye lasers, Electric fields, Spectral analysis, Radiation 089
  Electromagnetic waves, Wave propagation, Astrophysics, Azimuth 064
  Electrooptics, Waveguides, Liquid crystals, Electric fields 073
  Fiber optics, Stress, Birefringence, Green functions 093
  Magnetic fields, Magnetic tapes, Particles 058
  Magnetoelastic effect, Oscillation, Magnetic fields 051
  Niobates, Ceramics, Electrooptics, Dielectricity, Piezoelectricity 058
  Optics, Reflection, Angular measurement, Remote sensing 086
  Optics, Waveguides, Numerical analysis, Finite element method 080
  Ultrasonics, Light, Diffraction, Integral equations 068
Annealing,
  Aluminum, Silicon, Contact resistance, Boron, Doping 0347
  Charge density, Gallium arsenide, Schottky barriers 027
  Copper, Crystallization, Rolling, Current 0514
  Diffusion, Thin films, Solar cells, CdS/Cu$_2$S 0079
  Dosimetry, Metal oxide semiconductors, Structural analysis, Damage 0115
  Electron beams, Ion implantation, Heat treatment, Semiconductors 0589
  Electron guns, Semiconductors, Heat treatment 0271
  Fabrication, Integrated circuits, Transistors, Resistors 0275
  Gallium arsenide, Doping, Chromium, Thermal variables measurement 0767
  Gallium arsenide, MESFET, Transistors, Channels 0593
  Germanium, Neutrons, Doping, Field effect transistors, Bolometers 0189
  Ion implantation, Gallium arsenide, Carrier density, Hall effect 0929
  Ion implantation, Silicon, Junctions, Solar cells 0562
  Ion implantation, Silicon, Solar cells, Fabrication 0563
  Ion implantation, Silicon, Solar cells, Flash lamps 0887
  Irradiation, Lasers, Semiconductors, Ion implantation 0260
  Lasers, Modes, Silicon, Surface acoustic waves, Resonators 0749
  Lasers, Pulse generation, Heating systems, Crystal growth 0100
  Schottky diodes, Current voltage, Capacitance voltage, Mo/GaAsP 0114
  Silicon, Diodes, Space charge, Illumination, Degradation 0590
  Silicon, Doping, Power, Rectifiers, Thyristors 0112
  Silicon, Metal oxide semiconductors, Junctions, Programming languages, Modeling 0920
  Silicon, Solar cells, Phosphorus, Ion implantation, Current voltage 0562
  Solar cells, Current voltage, Silicides, Metallization 0079
  Temperature, Ions, Concentration, Metal oxide semiconductors 0444
  Xenon, Ion implantation, Silicon, Solar cells 0077
Anodes,
  Arcs, Electromagnetic waves, Vacuum technology 0644
  Breakdown, Batteries, Magnesium 0017
  Chemical variables measurement, Breakdown, Magnesium, Batteries 0017
  Films, Radiative transfer, Infrared, Current density, Aluminum 0190
  Logic circuits, Charge mobility, Metal insulator semiconductors 0122
  Logic circuits, Indium phosphide, Metal insulator semiconductors 0122
Antennae,
  Adaptive arrays, Signal processing 0324
  Aircraft, Electromagnetics, Coupling, Computer aided analysis 0649
  Aircraft engineering, Military aircraft, Radar, Technology 0949
  Algorithms, Beam propagation, Arrays, Radar, Noise 0310
  Aluminum, Alloys, Superconductivity, Thermal variables measurement 0355
  Apertures, Performance, Reflector antennae 0650

ennae, (continued)
pertures, Phases, Geometry 04847
rrays, Adaptive control, Signal processing, Phase locked loops, Dissertation 01522
rrays, Cost benefit analysis, Gain 01661
rrays, Coupling, Signal to noise ratio 01652
rrays, Feedback, Control systems, Signal processing, Least squares estimation 00055
rrays, Filtering, Electromagnetics, Infrared, Dissertation 01653
rrays, Optimization, Performance 04837
rrays, Patterm recognition, Distortion, Nulling 04843
rrays, Signal processing, Adaptive control, Computer aided analysis 00058
rrays, Signal processing, Simulation, Dissertation 01561
ttenuation, Coupling, Signal transmission, Satellites 01637
ackscattering, Statistical analysis, Gaussian processes 04808
olometers, Far infrared, Detectors, Bismuth, Thermal variables control 09065
Broadcasting, Electromagnetics 06409
Broadcasting, Satellite communications, Noise, Signal processing, Receivers 07802
Broadcasting, Transmission, Control systems 03210
Calibration, Vibration, Transducers, Electrostatics 09148
Cameras, Radios, Remote sensing, Image processing, Adaptive control 02906
Channels, Error, Signal processing, Arrays, Interference 06480
Coaxial cables, Transmission lines, Numerical analysis 04850
Communications, Design, Testing 08114
Communications, Numerical analysis, Frequency, Performance 08128
Communications, Spacecraft 09313
Conductivity, Electric fields, Slot antennae 01665
Current, Impedance, Radiation, Numerical analysis, Microstrip antennae 06482
Current, Magnetics, Dipoles, Computer aided analysis 08026
Cylindrical antennae, Electromagnetics, Wave propagation, Reflection, Water 08110
Cylindrical antennae, Impedance, Current density, Backscattering 08105
Cylindrical antennae, Weighting, Filters, Parameter estimation 04839
Design, Optimization, Waveguides 06490
Design, Performance, Beacons, Transponders 08099
Design, Signal processing, Computer aided analysis 06489
Design, Site selection, Grounding, Extremely low frequency 08129
Detectors, Far infrared, Image processing, Optical systems, Dissertation 06734
Dielectric constants, Frequency, Wave propagation, Numerical analysis 09172
Dielectricity, Lenses, Fabrication, Multiplexing 06504
Dielectrics, Coatings 04358
Diodes, Phase shifts, Converters 04844
Dipole antennae, Frequency, Voltage, Optimization 08097
Dipole antennae, Impedance, Power, Radiation 08122
Dipole antennae, Impedance, Radiation 01657
Dipole antennae, Radiation, Wavelengths 08103
Dipole antennae, Surface properties, Current, Electric fields 08101
Dipole antennae, Voltage, Receivers, Impedance 08112
Dipoles, Impedance, Scattering 08104
Dipoles, Transmission lines, Electric fields, Probes 08451
Dipoles, Wave propagation, Image theory 08117
Doppler radar, Clutter, Navigation 09508
Education, Curriculum development, Research and development, Electromagnetics 06478
Electric fields, Magnetic fields, Communications, Wave propagation 08052
Electric fields, Magnetic fields, Dielectrics, Surface properties 08452
Electric power transmission, Illumination, Frequency, Tuning 06433
Electromagnetic fields, Pulses, Radiators, Boundary value problems 03249
Electromagnetic waves, Ships, Radiation, Signal transmission 01654
Electromagnetic waves, Wave propagation, Pulse generation, Transmitters 04845
Electromagnetic waves, Wave propagation, Scattering, Refractive indices 06439
Electromagnetics, Radiation, Modeling, WFLLL2B 06411
Electromagnetics, Wave propagation, Resonators, Maxwell equations 06472
Emitters, Position control, Receivers, Power, Measurement 06488
Excitation, Modes, Electromagnetic waves, Wave propagation 06487
Fabrication, Calibration, Impedance 06497
Fading, Satellite communications, Bandwidths, Allocation, Adaptive control 07789
Fast Fourier transforms, Algorithms, Error, Radiation, Computer aided analysis 08002
Frequency, Resonators, Bandwidths, Voltage 05829
Frequency, Scattering, Magnetics, Dipoles 08119
Gain, Traveling wave tubes, IMPATT diodes, Amplifiers 00688
Helical antennae, Dipole antennae, Electromagnetic fields, Numerical analysis 06485
Hoop antennae, Reflectors, Radio frequency, Systems design 01660
Horn antennae, Dielectrics, Waveguides, Coupling, Dissertation 06500
Image processing, Radar, Ultrasonics, Audio systems, Error, Dissertation 04749
Impedance, Direction finding systems, Systems design 04537
Impedance, Voltage, Reflection 04851
Integrated circuits, Integral equations, Optimization, Radiation, Dipoles 00057
Interference, Communications, Wave propagation, Reflection, Polarization 08106
Interference, Satellite communications, Frequency, Performance 03001
Interpolation, Amplitude, Distributions, Filters 01662
Josephson junctions, Far infrared, Couplers 00059
Lenses, Dielectrics, Control systems, Apertures 04846
Lenses, Millimeter waves, Image processing, Optical analysis 08121
Linear antennae, Circuitry, Impedance, Power, Algorithms 06486
Metrology, Vibration, Electric variables measurement, Remote sensing 08659
Microprocessors, Computer aided control, Tracking, Signal processing 01649
Microstrips, Dielectricity, Ferromagnets, Resonance 06499
Microstrips, Resonance, Frequency 04853
Microstrips, Striplines, Dielectric constants 04848
Microstrips, Striplines, Modular design 06498
Microwave devices, Reflectors, Symmetry 01651
Microwaves, Radio communications, Waveforms, Distortion 07689
Microwaves, Waveguides, Satellite communications, Bandwidths 08123
Military aircraft, Weapons, Systems design, Electronic equipment, Economics 05287
Millimeter waves, Communications, State of the art, Book 06420
Millimeter waves, Dielectrics, Waveguides, Dissertation 06491
Millimeter waves, Mixers, Radio frequency, Signal converters 04849
Mixers, Microwaves, Millimeter waves, Remote sensing, Dissertation 08656
Monopole antennae, Plasmas, Signal processing, Lifetimes, Amplitude 08058

Antennae, (continued)
Monopoles, Circuitry, Theoretical analysis 08096
Nulling, Arrays, Perturbation, Phases 04842
Offset antennae, Apertures, Satellites, Telecommunications, Reflectors 01655
Performance, Arrays, Radiation 08118
Performance, Computer aided analysis, Simulation 08111
Plasmas, Tokamaks, Fusion reactors, Alfven waves, Dissertation 08054
Polarization, Signal processing, Channels 04841
Polarization, Wave propagation, Electromagnetics 08100
Radar, Polarization, Signal processing, Optimization, Microwave devices 01530
Radar, Receivers, Polarization, Cross sectional measurement 07872
Radar, Reliability, Military aircraft 06951
Radar, Signal processing, Filtering 01527
Radar, Tracking, Noise, Least squares estimation, Performance 06481
Radiation, Arrays, Diffraction, Algorithms, Dissertation 01650
Radiation, Distortion, Transmission lines 03254
Radiation, Voltage, Conical log spiral antennae 04852
Radiation, Wave propagation, Electromagnetics 08109
Radiators, Waveguides, Polarization, Coupling 08130
Radio astronomy, Millimeter waves, Telescopes, Reflection 01648
Radio waves, Receivers, Calibration, Magnetic fields 08462
Radios, Telephones, Wave propagation, Signal to noise ratio, Mobile systems 01458
Receivers, Impedance, Electromagnetic waves, Amplifiers 06505
Reflector antennae, Beamwidths, Power supply, Voltage 01669
Reflector antennae, Interference, Radio astronomy, Minimum blocking conditions 04857
Reflector antennae, State of the art 08131
Reflectors, Data communications, Satellites, Composite materials 01667
Reflectors, Electromagnetic fields, Structural analysis, Current 01668
Reflectors, Numerical analysis, Scattering 08133
Safety systems, Gauges, Ships, Structural analysis, Sonar 04728
Satellite communications, Broadcasting, Signal processing, Televisions 07787
Satellite communications, Electronic equipment, Switching, Control systems 01398
Satellite communications, Mobile systems, Amplifiers, Frequency 04604
Satellite communications, Signal processing, Frequency 06185
Satellite communications, Tracking, Position control 03255
Satellites, Performance, Plasmas, Radiation 08056
Satellites, Ships, Bandwidths, Frequency 01658
Satellites, Televisions, Signal reception 09399
Schottky diodes, Mixers, Receivers, Heterodyne reception 06503
Semiconductors, Millimeter waves, Integrated circuits 08093
Sensors, Polarization, Frequency, Electromagnetic fields, Poynting vectors 06493
Signal processing, Channels, Error, Reliability 07907
Signal processing, Frequency, Research and development 06495
Signal processing, Noise, Channels 06496
Signal processing, Noise, Computer aided analysis 06484
Signal processing, Radios, Noise, Mobile systems, Modeling 07840
Signal processing, Signal to noise ratio, Jamming, Dissertation 08098
Signal processing, Voltage, Arrays, Decomposition, Numerical analysis 04836
Space engineering, Attitude control, Mathematical models 00054
Space technology, Communications, Performance 08113
Space technology, Satellite communications, Reliability, Uplink coverage 06180
Space technology, Satellites, Vibration, Acoustics, Simulation 08605
Synthetic aperture radar, Satellite communications, Image processing 01531
Televisions, Receivers, Voltage, Interference, Impedance 08094
Tokamaks, Heating systems, Shielding, Optimization 06675
Transmission, Numerical analysis 08115
Traveling waves, Microstrips, Design, Bandwidths 08108
Tuning, Modeling 08107
Wave propagation, Amplitude, Spectral analysis, Turbulence 08124
Wave propagation, Electromagnetic waves, Geometry, Scattering 04815
Wave propagation, Far field phase information 01659
Waveguides, Coupling, Optimization, Computer aided analysis 06483
Waveguides, Dielectricity, Wave propagation, Millimeter waves 03247
Waveguides, Electromagnetics, Wave propagation 09112
Weighing, Arrays, Optimization, Beamforming, Algorithms 00056
Wire, Electromagnetics, Scattering, Numerical analysis 08102
Wires, Polarization, Rotating bodies, Transmission 06479

Antimony sulfur iodide,
Bismuth sulfur iodide, Phase transitions, Microwaves, Spectral analysis 01101

Apertures,
Antennae, Phases, Geometry 04847
Antennae, Satellites, Televisions, Signal reception 09399
Microwaves, Boron nitride, Dielectricity 00039
Offset antennae, Satellites, Telecommunications, Reflectors, Radio frequency 01655
Performance, Reflector antennae 06501
Photodetectors, Integrated circuits, Fiber optics, Refractive indices 04546
Resonators, Diffraction, Mirrors, Lasers 09127
Shaping, Control systems, Antennae, Lenses 04846

Arc furnaces,
Conductors, Circuitry, Current, Power supply 02465
Conductors, Systems design 02470

Arc melting,
Casting, Electrodes, Materials recovery, Vacuum technology 01890

Arc welding,
Economics, Mechanical handling, Robots 03596
Electrooptics, Hydrogen, Deformation, Chemical variables measurement 03964
Grinding, Iron alloys, Powder metallurgy, Process development 02458
Holography, Nondestructive testing, Service life, Stress 02567
Optimal control, Sensors 00443
Robots, Sensors, Control systems, Feedback 02021
Structural analysis, Hydrogen, Flow of gases, Optics, Defect detection 05689
Work holders, Computer aided control, Position control, Sensors 00446

Architecture,
Access, Telecommunications, Technology 09425
Arrays, Algorithms, Mixing, Decomposition, Dissertation 03735
Arrays, Metal oxide semiconductors, Circuitry, Gallium arsenide, Design 09285

Architecture, (continued)
Arrays, Processors, Radar, Parallel processing 06298
Arrays, Processors, Speech recognition 00350
Artificial intelligence, Computer aided design, IBM 370 06014
Broadcasting, Distributed processing, Local area networks, Protocols, Banet 07097
Charge coupled devices, Time measurement, Signal processing 05513
Circuitry, Computer aided design, Simulation, Palladio 02409
Circuitry, Filters, Fabrication, FIR filters 05451
Circuitry, Multipliers 07161
Communication networks, Data transmission, Distributed processing, Graph theory 02292
Communication networks, Data transmission, Switching 06215
Communication networks, Ethernet 04465
Communication networks, Integrated systems, Modules, Multiplexing, Mexico 00148
Communication networks, Management information systems, Telephones, Diagnostics 02998
Communication networks, Mobile systems, Radios, Algorithms, Simulation 07685
Communication networks, Packet switching 07839
Communication networks, Packet switching, Transmission, Routing, MININET 04784
Communication networks, Protocols, Specifications 09440
Communication networks, Signal transmission, Circuitry, Channels 03167
Communication networks, Switching, Telex, Systems design, Standards 01414
Communication networks, Traffic, Software development 04595
Communication networks, Videotex 09332
Data transmission, Machine machine interactions 03038
Data transmission, Packet switching, Communication networks, DATAKIT 04638
Decoding, Error correcting codes, Parallel processing, Pipelining 09579
Electronic mail, Japan 09432
Filters, Input, Frequency, Integrated circuits 07113
Filters, Logic circuits, Time measurement 05453
Hierarchies, Stores management systems, Military aircraft, Data transfer 02121
Instrumentation, Analog to digital conversion, Programming, Distributed systems 04597
Integrated circuits, Connectors, Bandwidths, Technology 09261
Integrated circuits, Design, Signal processing, Reliability 06050
Integrated circuits, Fault tolerance, Arrays, Design 09268
Integrated circuits, Gallium arsenide, Signal processing, Time measurement 09260
Integrated circuits, Image processing, Filtering, Pattern recognition 04456
Integrated circuits, Prototyping, Simulation, Speech recognition 07618
Integrated circuits, Signal processing, Programming, Structural analysis 04449
Local area networks, Buses, Fiber optics, Performance, Integrated circuits 08727
Local area networks, Control systems, Modeling, Data communications, Standards 00139
Local area networks, Fiber optics 09573
Local area networks, Interfaces, Plug compatibility 05413
Local area networks, Packet switching, Expressnet, Fasnet 04667
Local area networks, Topology, Protocols, Data communications, Flow 08726
Markov processes, Performance, Buses, Multiprocessors, Numerical analysis 05386
Mathematical models, Networks, System theory 07157
Matrices, Optical communications, Arrays, Bipolar devices 07309
Microelectronics, Fabrication, Data structure, Corner stitching 06033
Microelectronics, Filters, Arithmetic circuits 09291
Microelectronics, Microcomputers, Electric power transmission, Time measurement 07091
Microelectronics, Research and development, Dissertation 04447
Microelectronics, Signal processing, Dissertation 07643
Microelectronics, Signal processing, Reliability, Specifications 07621
Microelectronics, Simulation, Computer aided design, Dissertation 07627
Multiprocessing, Interactive systems, Man machine interactions, Programming 02057
Multiprocessing, Office automation, Scheduling, Partitioning 05703
Multiprocessors, Filters, Memory, Structural analysis, Dissertation 04745
Multiprocessors, Signal processing, Fault tolerance 03124
Networks, Fiber optics, Transmission, Economics 07728
Networks, Image processing, Fault tolerance 00890
Networks, Multiprocessing, Parallel processing, Image processing 06203
Networks, Research and development, Telecommunications, Fiber optics 07737
Networks, Workstations, Distributed processing 03760
Packet switching, Protocols, Interactive systems, Communication networks 07813
Peripheral devices, Image processing, Pattern recognition, Picture processing 01327
Private branch exchange, Switching, Communication networks, Plug compatibility 09456
Private branch exchange, Switching, Transmission, Speech recognition 07084
Processors, Arrays, Fault tolerance, Redundancy, Microelectronics 06012
Protocols, Local area networks 04639
Protocols, Packet switching, Local area networks, Throughput 04666
Radar, Tracking, Signal processing 01528
Robots, Communication networks, Management, Standards 02058
Satellite communications, Modeling, Identification, Protocols, Systems design 02071
Sensors, Robots, Vision 02048
Signal processing, Circuitry, Concurrency, Dissertation 04451
Signal processing, Realtime systems, Programming, Integrated circuits 07892
Systems design, Aircraft engineering, Flight control systems 03627
Technology, Standards, Microprocessors 03755
Telecommunications, Fiber optics, Economics 07741.
Telecommunications, Local area networks, Traffic, Switching, Performance 07829
Testing, Protocols, Synchronization, Specifications 07676
Transmission, Local area networks, Protocols, Robustness 04785
Arcs,
Anodes, Electromagnetic waves, Vacuum technology 06448
Deformation, Magnetohydrodynamics, Insulators, Electrodes 01788
Discharges, Phase transitions, Turbulent flow, Particles 00009
Electrodes, Thermionic emission, Temperature, Current density 07456
Ignition, Current, Electrodes 01756
Inductance, Circuit breakers, Thermal variables measurement, Voltage 00106
Insulators, Deformation, Combustion 02471
Insulators, Surface properties, Heat transfer 00721
Interferometry, Thermal variables measurement, Current, Pulse generation 00109
Melting, Electrodes, Erosion, Surface properties, Copper 07458
Particles, Velocity, Lasers, Doppler shift, Anemometry, Electrodes 02619
Plasmas, Flux, Magnetic fields, Photography 01640
Vacuum technology, Interrupters, Contacts, Design 06578
Argon,
Gas lasers, Dye lasers, Pumping, Mode locking 074
Gas lasers, Pumping, Oscillation, Wave propagation 009
Hollow cathodes, Iron, Discharges 088
Ion implantation, Silicon, Schottky diodes 059
Magnetohydrodynamics, Optical analysis, Heat transfer, Plasmas 033
Plasmas, Probes, Impedance, Magnetohydrodynamics 066
Propellants, Ion engines, Rocket engines, Thrust measurement 032
Argon fluoride,
Gas lasers, Excitation, Oxygen, Ultraviolet, Fluorescence 067
Arithmetic circuits,
Counters, Shift registers, Microelectronics 076
Fabrication, Counters, Microelectronics, Pipelining, Processors 038
Fabrication, Logic circuits, State of the art 090
Filters, Architecture, Microelectronics 092
Geometry, Fabrication, Phasors 055
Integrated circuits, Counters, Fabrication, Dissertation 092
Logic circuits, Delay, Counters, Parallel processing 060
Logic circuits, Fabrication, Josephson junctions, Simulation 092
Logic circuits, Multipliers, Fabrication 092
Microelectronics, Filtering, Technology 092
Multipliers, Architecture 071
Signal processing, Filtering, Pipelining, Time measurement 076
Signals, Sequences 047
Testing, Reliability 060
Arrays,
Adaptive arrays, Restoration, Image processing, Geometry, Pattern recognition 016
Adaptive control, Antennae, Signal processing, Phase locked loops, Dissertation 015
Algorithms, Beam propagation, Radar, Antennae, Noise 031
Analog to digital converters, Integrated circuits, Metal oxide semiconductors 092
Annular slot arrays, Excitation, Magnetic fields, Waveguides 043
Antennae, Channels, Error, Signal processing, Interference 064
Antennae, Cost benefit analysis, Gain, Performance 016
Antennae, Coupling, Signal to noise ratio 016
Antennae, Feedback, Control systems, Signal processing 000
Antennae, Filtering, Electromagnetics, Infrared, Dissertation 016
Antennae, Optimization, Performance 048
Antennae, Patterm recognition, Distortion, Nulling 048
Antennae, Radiation, Diffraction, Algorithms, Dissertation 016
Antennae, Signal processing, Adaptive control, Computer aided analysis 000
Antennae, Signal processing, Voltage, Decomposition, Numerical analysis 048
Architecture, Algorithms, Mixing, Multiprocessors, Decomposition 037
Architecture, Metal oxide semiconductors, Circuitry, Gallium arsenide, Design 092
Bipolar devices, Logic circuits, Computer aided design 092
Cancelers, Signal processing, Pulse generation, Telemetry, Interference 047
Circuitry, Verification, Testing, Error, Logic 0765
Combustion products, Filters, Electric fields, Mathematical models 0378
Communication networks, Packet switching, Microprocessors, Logic, Programming 0465
Communication networks, Protocols, Control systems, Customer services 0299
Design, Adaptive control, Modeling 0809
Diodes, Memory, Optical storage, Recording systems, Lasers 0904
Distributed systems, Trees, Algorithms, Multiprocessors, Structural analysis 0604
Gain, Cylindrical antennae, Frequency 0165
Gain, Cylindrical antennae, Frequency 0165
Image processing, Filtering, Circuitry, Stability, Televisions 0728
Integrated circuits, Bandwidths, Image processing, Structural analysis, Loading 0603
Integrated circuits, Fault tolerance, Architecture, Design 0926
Integrated circuits, Packaging, Technology, Density 0284
Integrated circuits, Signal processing, Algorithms, Structural analysis 0602
Integrated circuits, Technology, Design, Converters, Automation 0763
Interference, Signal to noise ratio, Modulation, Frequency 0325
Josephson junctions, Current voltage, Frequency, Noise, Dissertation 0101
Lasers, Phase shifts 0400
Logic circuits, Bipolar devices, Performance, Computer aided design, Error 0763
Logic circuits, Displays, Broadcasting, Editing, Power 0636
Logic circuits, Input output, Field effect transistors, Buffers 0763
Logic circuits, Metal oxide semiconductors, Decomposition, Input output 0445
Logic circuits, Programming, Delay, Testing 0374
Logic, Programming languages, Machinery, Sequences, Testing 0929
Loops, Parameter estimation, Boundary value problems, Signal processing 0325
Matrices, Algebra, Factor analysis, Optics, Image processing 07308
Matrices, Microprocessors, Logic, Arithmetic, Signal processing 00610
Matrices, Optical communications, Architecture, Bipolar devices 07309
Metal oxide semiconductors, Field effect transistors, Memory, Logic circuits 07587
Metal oxide semiconductors, Read only memory, Redundancy, Programming, Coding 04477
Metal oxide semiconductors, Technology, Simulation, Fabrication, Logic circuits 04414
Nulling, Antennae, Perturbation, Phases 04842
Online systems, Silicon, Electron beams, Data transmission, Logic circuits 02867
Parallel processing, Image processing, Remote sensing, Statistical analysis 03691
Phase shifts, Phase locked loops, Signal processing, Multipliers, Frequency 01521
Photodiodes, Silicon, Breakdown, Simulation 08866
Photovoltaics, Design, Costs 08341
Piezoelectricity, Transducers, Acoustics, Goal programming, Mathematical models 02666
Processors, Architecture, Fault tolerance, Redundancy, Microelectronics 06012
Processors, Architecture, Radar, Parallel processing 06298
Processors, Architecture, Speech recognition 00350
Programming, Logic circuits, Silicon, Optimization, Computer programs 04466
Programming, Signal processing, Software development, Realtime systems 04752
Radiation, Antennae, Performance 08118
Random access memory, Read only memory, Programming, Metal oxide semiconductors 04453
Random processes, Transmission, Signal to noise ratio, Modulation, Relays 02901
Read only memory, Metal oxide semiconductors, Voltage, Programming, Circuitry 04510
Satellite communications, Remote sensing, Spectral analysis, Sampling methods 02192
Scattering, Electromagnetics, Impedance, Computer programs, Dissertation 01605
Signal processing, Filters, Feedback, Channels, Dissertation 03166
Signal processing, Image processing, Diffusion, Photodiodes, Oxygen 00774

ays, (continued)
Signal processing, Multiplexers, Charge coupled devices 09270
Signal to noise ratio, Interference, Circuitry, Error, Quality control 06333
Signals, Parallel processing 04753
Software packages, Equivalence, Input output, Integrated circuits, Logic 02818
Solar energy, Storage, Reliability, Probability, Design 00222
Sonar, Side lobe patterns, Angular measurement 03110
Switching, Capacitance, Circuitry, Analog to digital conversion 08853
Televisions, Signal processing, Converters, Scanning 02966
Weighing, Antennae, Optimization, Beamforming, Algorithms 00056
senic,
Doping, Gallium arsenide, JFET, Field effect transistors, Pn junctions 05976
Doping, Silicon, Integrated circuits, Metal oxide semiconductors 02747
tificial intelligence,
Architecture, Computer aided design, IBM 370 06014
Assembling, Computer aided manufacturing, Robots 08530
Assembling, Maintenance, Technology, Research and development, Telepresence 05208
Assembling, Mechanical handling, Programmable controllers, Robots 06922
Assembling, Mechanical handling, Robots, Hitachi 03589
Assembling, Motors, Quality control, Inspection, Robots 08535
Assembling, Production control, Robots 00415
Automation, Problem solving, Logic, Expert systems 08536
Automotive engineering, Assembling, Mechanical handling, Robots, Jaguar 08520
Automotive engineering, Assembling, Robots, Jaguar 03601
Automotive engineering, Assembling, Robots, Saab 03602
Automotive engineering, Mechanical handling, Welding, Robots 08521
Automotive engineering, Robots, Production control, Alfa Romeo 03613
Cartography, Image processing, Pattern recognition 02565
Chemical process industry, PCB compounds, Mechanical handling, Robots 02062
Computer aided manufacturing, Mechanical handling, Robots 02043
Computer aided manufacturing, Production control, Robots 02060
Computer aided manufacturing, Robots, Mechanical handling, Control systems 02042
Computer graphics, Music scores transcription 01477
Data communications, Terminals, Software development 06217
Decision making, Electric power distribution, Loading, Controllers 08238
Economics, Assembling, Production control, Mechanical handling, Robots 03594
Fabrication, Computer aided design, Microelectronics, REDESIGN 06040
Fettling, Sensors, Controllers, Robots 00414
Forming processes, Molding, Mechanical handling, Robots 08531
Image processing, Fiber optics, Mechanical handling, Robots 09327
Image processing, Pattern recognition, Knowledge representation 05717
Man machine interactions, Decision making, Robots, Control systems, Hierarchies 02033
Man machine interactions, Systems design, Research and development 00431
Mechanical handling, Assembling, Production control, Robots 03590
Mechanical handling, Flexible manufacturing systems, Robots 03591
Mechanical handling, Japan, Research and development, Robots, State of the art 05173
Mechanical handling, Robots, Arc welding 02046
Mechanical handling, Robots, Control 05201
Mechanical handling, Robots, Surface properties 03587
Mechanical handling, Robots, Technological forecasting, State of the art 02050
Military, Communications, Decision making, State of the art, C^3I 08623
Modules, Large scale systems, Modeling, Optimization 00612
Neurophysiology, Networks, Signal processing, Delay, Mathematical models 05329
Nondestructive testing, Inspection, Robots 00408
Office automation, Communications, State of the art 06263
Office automation, Systems design, Dissertation 00603
Pattern recognition, Curve fitting 08941
Pattern recognition, Robots, Vision 00407
Pattern recognition, Vision, Robots, Systems design 00416
Production control, Robots, Welding, Injection molding, Painting 08532
Production control, Sensors, Robots 08558
Programming languages, Robots, Computer aided control, Mechanical handling 00432
Research and development, Robots 02051
Research and development, Robots, State of the art 05196
Research and development, Robots, United Kingdom 05199
Research and development, Speech recognition 04674
Research and development, Speech recognition 04678
Research and development, Speech recognition 04680
Research and development, Speech recognition, State of the art 04675
Research and development, Speech recognition, United Kingdom, LOGIS II 04679
Research and development, Vision, Robots, Electrooptics 08906
Robots, Computer aided manufacturing, Man machine interactions, Japan 08551
Robots, Controllers, Force, Signal processing, Approximations 00437
Robots, Controllers, Position control 05211
Robots, Economics 05205
Robots, Industry, Government aid, Research and development, Economics 03597
Robots, Inspection, Pattern recognition 00417
Robots, Kinematics, Software development 00394
Robots, Mechanical handling, Assembling, Automotive engineering, GM 06928
Robots, Mechanical handling, Conveyors, Process plants 03581
Robots, Mechanical handling, Diesel engines, Cleaning 02044
Robots, Mechanical handling, Research and development 08518
Robots, Mechanical handling, Research and development 08519
Robots, Mechanical handling, Vision, Sensors 08279
Robots, Mechanical handling, Vision, Sensors, Research and development 06908
Robots, Microcomputers, Software development, Computer aided manufacturing 03592
Robots, Planning, Technology, Telepresence, Research and development 05207
Robots, Sensors, Automatic control, Assembling 00405
Robots, Software development, Computer aided design, GRASP 08566
Robots, Software development, Control systems, Decision schema 06929
Robots, Software development, State of the art 05200
Robots, Space technology, Project engineering 03638
Robots, Televisions, Image processing, Data transmission, Pattern recognition 00430
Sensors, Robots, Vision 02048
Signal processing, Pattern recognition, Classification 06340
Space technology, Mechanical handling, Robots, Automation, Control systems 02040

Artificial intelligence, (continued)
Spectrometers, Research and development, Triple quadrupole mass spectrometer 05079
Speech recognition, Research and development, United Kingdom 04681
Speech recognition, State of the art 04677
Speech recognition, State of the art, Technological forecasting 04676
Storage, Information retrieval, Pattern recognition, Image processing, Genetics 03984
Systems design, Linguistics, Speech recognition 06277
Technological forecasting, Robots, Research and development 03586
Technology, Military engineering, Speech recognition 04682
Telecommunications, Radios, Communication networks, Modeling 01296
Telecommunications, Repair, Logic, Modems, Integrated systems 01462
Telepresence, Materials testing, Technology, Research and development, Robots 05209
Textile industry, Robots, Vision 00409
Videodisks, Technology, Research and development, Education 06132
Vision, Industry, Machine vision systems 03990
Vision, Robots, Image processing, Nondestructive testing 08534
Welding, Robots, Mechanical handling, Computer aided manufacturing 03598
Asia,
Technology transfer, Telecommunications, Data transmission, Capital investment 02880
Assembling,
Artificial intelligence, Automotive engineering, Robots, Saab 03602
Artificial intelligence, Computer aided manufacturing, Robots 08530
Artificial intelligence, Maintenance, Technology, Research and development 05208
Automatic control, Artificial intelligence, Robots, Sensors 00405
Automation, Mechanical handling, Flexible manufacturing systems, Lasers 00386
Automation, Mechanical handling, Pallets 03570
Automotive engineering, Artificial intelligence, Computer aided manufacturing 03601
Automotive engineering, Computer aided manufacturing, Programmable controllers 06937
Automotive engineering, Flexible manufacturing systems, Turnkey systems 08529
Automotive engineering, Gear trains, Manufacturing, Robots, Automation 05189
Automotive engineering, Mechanical handling, Robots, GM 06928
Automotive engineering, Mechanical handling, Robots, Jaguar 08520
Automotive engineering, Production control, Robots, Saab 05206
Automotive engineering, Welding, Artificial intelligence, Robots 08521
Cameras, Precision engineering, Production control, Automation 00762
Circuitry, Electronic equipment, Automation, Computer aided manufacturing 01273
Circuitry, Wire processing, Technological forecasting, Materials testing 06076
Diesel engines, Robots, Programming, Computer aided manufacturing, Productivity 02026
Economics, Production control, Mechanical handling, Robots 03594
Electronic equipment, Circuit boards, Production control 01275
Engines, Turbines, Welding, Computer numerical control 00984
Flexible manufacturing systems, Design, Computer aided control, Robots 00406
Injection molding, Conveyors, Mechanical handling, Quality control, Telephones 03044
Inspection, Nondestructive testing, Robots 00419
Instrumentation, Packaging, Modular design 06709
Machining centers, Robots, Controllers, Circuitry, Sensors 00429
Mechanical handling, Arc welding, Controllers, Robots 02046
Mechanical handling, Artificial intelligence, Robots 05199
Mechanical handling, Flexible manufacturing systems, Robots 03591
Mechanical handling, Operations, Automation 00397
Mechanical handling, Production control, Robots 03590
Mechanical handling, Production control, Robots, Hitachi 03589
Mechanical handling, Programmable controllers, Robots 06922
Mechanical handling, Robots, Automotive industry, Computer aided control 08546
Mechanical handling, Robots, Computer aided manufacturing 02039
Mechanical handling, Robots, Flexible manufacturing systems 01276
Motors, Components, Production control 03615
Motors, Quality control, Inspection, Robots 08535
Production control, Artificial intelligence, Robots 00415
Production control, Automation, Robots 00400
Production control, Automation, Tape recorders, Flexible manufacturing systems 00387
Production control, Inspection, Pattern recognition, Robots 05219
Production control, Programmable controllers 03593
Production control, Vision, Pattern recognition, Printed circuit boards 00412
Production, Quality control, Robots, Optics, Inspection 06942
Robots, Flexible manufacturing systems, Design, Vision, Sensors 06919
Robots, Mechanical handling, Aircraft engineering, Composite materials, Cutting 05183
Robots, Mechanical handling, Position control 08527
Robots, Performance, Arm movement 02022
Robots, Specifications, Arc welding, Japan 05172
Robots, Vision, Inspection, Structural analysis, Programming languages 02559
Semiconductors, Packaged components, Integrated circuits, Reliability 06064
Sensors, Robots, Technology, Research and development 06932
Sensors, Surface properties, Transducers, Robots, Optics 07512
Steel, Computer aided manufacturing, Robots, Mechanical handling 05190
Stock control, Thermal variables measurement, Thermocouples 00254
Astronomy,
Cryogenics, Field effect transistors, Detectors, Impedance 01907
Fabry Perot interferometers, Doppler shift, Image processing, Thermosphere 08707
Fabry Perot interferometers, Infrared, Computer aided control 00276
Heterodyne reception, Radiometry, Schottky diodes, Mixers 08399
Image processing, Remote sensing, Satellites, Scanning 03980
Infrared, Cosmic rays, Detectors 00576
Infrared, Telescopes, Photometry, Satellites, IRAS 07076
Mapping, Coordinate systems, Data processing 02194
Meteorology, Optics, Radiation, Refraction, Modeling 08700
Radio frequency, Emissions, Thermal variables measurement 07074
Random variables, Stability, Stochastic processes, Collisions, Saturn's rings 06904
Telescopes, Optical systems, Design, Fabrication, Space Shuttle 00879
Terylene, Films, X-rays, Ultraviolet, Filters 06744
Topography, Mapping, Image processing, Extraterrestrial bodies 02230
Venus, Mapping, Remote sensing 02213
Venus, Topography, Radar, Remote sensing, Spacecraft 02261
Astrophysics,
Electrons, Spectral analysis, Precipitation, Electromagnetics, Absorption 07066
Iodine, Radioisotopes, Dosimetry, Mass spectrometry 00304

Astrophysics, (continued)
Microwaves, Lasers, Spectrometers, Heterodyne reception 07438
Optical systems, Design, Materials testing, Thermal variables measurement 00281
Radio noise, Electromagnetics, Frequency, Amplitude 06442
Turbulent flow, Electromagnetic waves, Magnetostatics 03201
Wave propagation, Electromagnetic waves, Azimuth, Anisotropy, Magnetic fields 06443
Asynchronous machines,
Inductance, Inverters, Capacitors 00119
Atmospheric conditions,
Aerosols, Mathematical models, Dissertation 08698
Aerosols, Vapor, Monitoring, Satellites 05380
Aircraft, Transportation noise, Meteorology, Absorption 05243
Amplitude, Scintillation, Spectral analysis, Signal transmission 01629
Anemometers, Thermal variables measurement, Velocity, Dissertation 08703
Antennae, Wave propagation, Amplitude, Spectral analysis, Turbulence 08124
Backscattering, Radar, Electric fields, Probes 01523
Boundary layers, Turbulence, Pollutant dispersion, Mathematical models 07062
Broadcasting, Radio communications, Signal processing, Noise 04541
Communications, Waveguides, Wave propagation 06436
Computer aided analysis, Radiometers, Infrared, Oceanography, Image processing 03447
Conductors, Control systems, Tuning, Galloping 08846
Corrosion, Construction materials, Materials testing, Solar collectors 08330
Electric fields, Resonance, Frequency, Wave propagation 00582
Electric power transmission, Insulators, Dielectricity, Energy loss 06591
Electric variables measurement, Computer aided analysis, Microcomputers 03490
Electric variables measurement, Microprocessors, Meteorology 05374
Electromagnetic fields, Meteorology, Attenuation 01636
Electromagnetic fields, Nuclear energy, Weapons, Degradation 00027
Electromagnetic waves, Frequency, Radiometers, Microwaves 04821
Electromagnetic waves, Polarization, Signal processing, Communications 02890
Gas chromatography, Pollutant detection, Calibration 08492
Glass lasers, Radiation, Tuning, Remote sensing 09032
Hydrometeors, Precipitation, Electromagnetic waves, Scattering 01610
Image processing, Satellites, Filtering 08937
Lasers, Monitoring, Air quality, Troposphere 05133
Lidar, Environmental monitoring, Remote sensing 05381
Lidar, Inversion, Light scattering 08660
Light scattering, Meteorology, Volcanoes, Lidar 03725
Magnetic fields, Spacecraft, Dielectrics, Electrostatics, Discharges 02110
Mapping, Radiometry, Calibration, Image processing 08661
Meteorology, Boundary layers, Wind, Monitoring 03714
Meteorology, Data collection, Microprocessors, Reliability 05373
Meteorology, Remote sensing, Microwave devices, Image processing 04828
Microwave devices, Instrumentation, Design, Radiation, Measurement 04536
Microwaves, Gamma radiation, Remote sensing, Meteorology 00578
Microwaves, Meteorology, Thermal variables control, Remote sensing 02180
Microwaves, Refractive indices, Wave propagation, Wet air 08046
Microwaves, Wave propagation, Attenuation, Frequency 08049
Millimeter waves, Wave propagation, Attenuation, Humidity 08048
Millimeter waves, Wave propagation, Modeling, Attenuation 08050
Moisture measurement, Microwaves, Radiometry 01632
Monitoring, Aerosols, Particles, Mass spectroscopy 08704
Noise, Acoustic emissions, Instrumentation 03507
Oceanography, Image processing, Thermal variables measurement, Satellites 03448
Oceanography, Meteorology, Data collection 00571
Oceanography, Prediction, Numerical analysis, Modeling 00575
Oceanography, Remote sensing, Air-water interface, Satellites 08669
Oceanography, Wave propagation, Electromagnetic waves 01634
Power systems, Design, Performance, Electric power generation 08270
Quality control, Holography, Aerosols, Image processing 00365
Radar, Polarization, Scattering, Interference 09511
Radar, Remote sensing, Electrons, Current density 04711
Radar, Spectral analysis, Noise, Filters 09514
Radiation, Remote sensing, Thermal variables measurement, Parameter estimation 05362
Radio communications, Performance 02904
Radio frequency, Electromagnetic waves, Signals, Interference 00028
Radio frequency, Microwaves, Wave propagation, Refraction, Radar 06441
Radio waves, Wave propagation, Troposphere, Water vapor, Meteorology 08011
Reflection, Electromagnetic waves, Wave propagation, Amplification 06445
Refraction, Boundary layers, Radar 01617
Remote sensing, Geography, Spectral analysis, Numerical analysis 02203
Remote sensing, Image processing, Satellites, Brazil 08693
Remote sensing, Microwave devices, Radiometers 08695
Remote sensing, Satellite communications, Simulation, Pressure, Measurement 02278
Satellite communications, Image processing, Boundary layers, Meteorology 07061
Satellite communications, Performance, Sun transit outages 04607
Satellites, Position control, Modeling 07064
Signal processing, Electromagnetic waves, Numerical analysis 03227
Signal processing, Lidar, Frequency, Sounding, Numerical analysis 08051
Signal reception, Satellites, Broadcasting 06181
Signal reception, Spread spectrum communications 03171
Signal transmission, Reliability, Distortion, Multipath phenomenon 09575
Simulation, Geophysics, Plasmas, Modeling, Research and development 00577
Simulation, Radar, Performance 07865
Spark gaps, Voltage, Protection, Flashover, Moisture measurement 00117
Spectral analysis, Infrared, Heterodyne reception, Lasers 08438
Stratosphere, Ozone, Calibration, Mass spectrometry, Dissertation 05382
Telecommunications, Satellites, Meteorology, Spectroscopy 02280
Telecommunications, Waves, Absorption, Meteorology 04518
Thermodynamics, Solar energy, Energy conversion 03353
Thermosphere, Thermodynamics, Fabry Perot interferometers, Doppler shift 08707
Transmission lines, Noise, Testing 09105
Transparency, Electromagnetic waves, Frequency, Wave propagation 04822
Troposphere, Radar, Wave propagation, Electromagnetic waves 06301
Turbines, Electric power generation, Statistical analysis, Velocity 01839
Turbulence, Wave propagation, Electromagnetic waves 01631

Atmospheric conditions, (continued)
Turbulent flow, Resolution, Pattern recognition, Telescopes, Interferometry 0
Turbulent flow, Scintillation, Coherence, Wave propagation 0
Ultraviolet, Resonance, Doppler effect 0
Voltage, Electric power generation, Power systems, Photovoltaics, Solar energy 0
Wind energy, Velocity, Lasers, Anemometry 0
Atmospheric physics,
Dipoles, Resonance, Conductivity 0
Atomic physics,
Time measurement, Oscillation, Noise, Clocks, Dissertation 0
Attenuation,
Algorithms, Statistical analysis, Microwaves, Microcomputers 0
Antennae, Satellites, Scattering, Meteorology 01
Backscattering, Fiber optics, Pulse broadening 0
Channels, Antialiasing, Smoothing, Filters 0
Circuitry, Communication networks, Modulation, Diodes, Volterra series 0
Computed tomography, Image processing, Radioisotopes, Modeling, Dissertation 0
Computed tomography, Simulation, SPECT 0
Controllers, Electric power generation, Simulation, Algorithms, Dissertation 0
Electromagnetic waves, Optical communications, Fiber optics 0
Fiber optics, Bandwidths, Light, Wave propagation 07
Fiber optics, Communications, Performance, Wavelengths 07
Fiber optics, Scattering, Wave propagation, Degradation 0
Filters, Frequency, Design, Bandwidths, Amplifiers 0
Frequency, Jet engines, Shielding, Noise abatement, Dissertation 00
Image processing, Computed tomography, Operators, Cameras, Modeling 03
Lasers. Acoustooptics, Frequency, Modulators, Heterodyne reception 08
Lasers, Wave propagation, Latex, Particles, Dissertation 05
Local area networks, Fiber optics, Plastics, Testing, Research and development 06
Meteorology, Electromagnetic fields, Atmospheric conditions 01
Meteorology, Measurement, Distribution, Modeling, Statistical analysis 04
Microwaves, Wave propagation, Frequency, Atmospheric conditions 08
Millimeter waves, Wave propagation, Atmospheric conditions, Humidity 08
Millimeter waves, Wave propagation, Modeling, Atmospheric conditions 08
Optical properties, Fiber optics, Design, Cables 07
Plasmas, Transmission lines, Wave propagation, Electromagnetic waves 06
Programming, Amplifiers, Buffers, Circuitry, Error 02
Satellite communications, Broadcasting, Linkages, Up-link power control 03
Scattering, Image processing, Frequency, Algorithms 05
Schottky diodes, Calibration, Detectors, Microwaves, Networks 06
Signal processing, Speech transmission, Noise, Interference, Filters 03
Silver halide, Fiber optics, Wave propagation, Optical analysis 07
Superconductivity, Striplines, Thermal variables measurement 01
Teletext, Signal processing, Interference, Filtering, Computer aided control 01
Transmission lines, Modeling, Impedance, Programming languages 07
Voltage, Transmission lines, Coupling, Computer aided analysis 08
Voltage, Wave propagation, Electric power generation, Coronas, Lightning 04
Wave propagation, Dielectrics, Waveguides 091
Wave propagation, Frequency, Atmospheric conditions, Transparency 04
Wave propagation, Radio frequency, Mathematical models 01
Wave propagation, Ultrasonics 003
Waveguides, Refractive indices, Dissipation, Light scattering 026
Waveguides, Semiconductors, Impedance, Frequency, Simulation 043
Attitude control,
Antennae, Mathematical models, Space engineering 000
Optimization, Spacecraft, Actuators 069
Optimization, Spacecraft, Dissertation 004
Oscillation, Aircraft engineering, Modeling 036
Satellite communications, Broadcasting, Japan 029
Satellites, Broadcasting, Signal reception, Atmospheric conditions 061
Satellites, Error, Guidance and control systems 052
Satellites, Optimal control 086
Satellites, Simulation 085
Spacecraft, Guidance and control systems, Position control 020
Spacecraft, Modeling, Calibration, Launching facilities 036
Spacecraft, Stability, Actuators, Torque 052
Spacecraft, Systems analysis, Control systems, Satellite communications 028
Audio systems,
Acoustic waves, Frequency, Distortion, Computer aided analysis 084
Acoustics, Waveforms, Speech recognition, Interactive systems, Data processing 014
Analog to digital converters, Music, Systems design 094
Communications, Teleconferencing, Economics 094
Electroacoustics, Calibration, Reliability, Dissertation 068
Energy storage components, Actuators, Modeling 091
Frequency, Oscillators, Field effect transistors, Tuning 0385
Frequency, Pressure, Wave propagation, Ultrasonics 0947
Magnetic tapes, Recording systems, Chromium dioxide, Coatings, Noise 0586
Magnetic tapes, Recording systems, Ferric oxide, Iron nitride 0586
Noise, Integrated circuits, Signal processing, Amplifiers, Filtering 0307
Public address systems, Acoustics, Performance 0307
Recording systems, Density, Signal processing, Frequency 0308
Recording systems, Magnetic tapes, Coatings 0587
Recording systems, Quality control, Synchronization 0467
Recording systems, Videodisks, Electrodes, Capacitance, Signal processing 0260
Signal processing, Circuitry, Computer aided analysis, Quality control 0785
Teleconferencing, Management, Dissertation 0947
Televisions, Quality control, Signal transmission, Multiplexing 0297
Ultrasonics, Radar, Image processing, Antennae, Error, Dissertation 0474
Video systems, Electronic equipment, Troubleshooting 0381
Video systems, Recording systems, Quality control, Electron beams 0291
Wave propagation, Public address systems, Performance 0307
Wave propagation, Sound reinforcement, Public address systems 0307
Audio visual systems,
Cameras, Computer aided control 0232
Recording systems, Quality control, Frequency, Modulation 0296
Televisions, Technology, Management information systems 0133

diology,
Frequency, Amplification, Psychology, Speech synthesis, Dissertation ... 03076
Occupational exposure, Vibration, Noise, Hearing loss ... 05096
Protection, Measuring instruments, Laboratory testing, Environmental protection ... 00352
diometry,
Acoustics, Detection, Frequency, Signals ... 01996
Frequency, Noise, Threshold ... 03117
Masks, Filters, Distortion, Signals ... 01995
ger electron spectroscopy,
ndium antimonide, Metal oxide semiconductors, Films, Interfaces ... 05918
stralia,
Communication networks, Government policies, Economics ... 04519
Electric power transmission, Networks, Planning ... 01777
Energy, Fuel technology, Technological forecasting, Linear programming, MARKAL ... 06698
Fiber optics, Communication networks, Radios, Planning ... 04549
Fiber optics, Technology, Manufacturing, Telecommunications ... 06140
Photochemistry, Lasers, Research and development ... 05793
tomata,
Control, Fabrication, Fault detection ... 04468
tomatic control,
Aircraft engineering, Helicopters, Mathematical models, Autopilot ... 06971
Arc furnaces, Optimization, Ampere, Voltage, Feedback ... 03460
Assembling, Artificial intelligence, Robots, Sensors ... 00405
Chemical process industry, PCB compounds, Mechanical handling, Robots ... 02062
Chemical variables control, Adhesives, Packaged components ... 02782
Coil winding machines, Drives, Stepping motors ... 04877
Compensators, Design ... 02012
Cutting tools, Flexible manufacturing systems, Lasers, Computer aided design ... 04047
Electroplating, Gold, Semiconductors, Robots ... 01111
Flow measurement, Lasers, Image processing ... 09037
Frequency, Pulse generation ... 02446
Gauges, Hydraulic control equipment, Pressure, Rolling mills, Servomechanisms ... 01080
Gauges, Measurement, Feedback ... 00243
Guidance and control systems, Spacecraft, Stability ... 02086
Induction machines, Synchronous machines, Direct current machines ... 03266
Inspection, Remote sensing, Man machine interactions, Underwater technology ... 00623
Instrumentation, Ergonomics ... 08575
Integrated circuits, Switching, Semiconductors, Furnaces ... 02794
Machinery, Monitoring, Fault diagnosis ... 00451
Machinery, Power systems, Current voltage ... 03314
Machining, Precision engineering, Lathes, Turning ... 00449
Marine engineering, Navigation, Position control, Microprocessors ... 09484
Mechanical handling equipment, Wharf cranes ... 03584
Microcomputers, Programmable controllers ... 02014
Microprocessors, Cutting tools, Electric power apparatus, Wire processing ... 00709
Military aircraft, Aircraft engineering, Flight control systems ... 02119
Minicomputers, Kilns, Cement industry ... 08841
Nuclear reactors, Flux Detectors, Microcomputers ... 04989
Online systems, Power plants, Maintenance, Reliability ... 04928
Operations, Cableway systems ... 03588
Personal computers, Instrumentation, Maintenance, Calibration ... 05033
Photons, Electron beams, Radiology, Linear accelerators ... 01671
Position control, Dredgers, Technology ... 00553
Power plants, Electric power generation, Realtime systems ... 03393
Power systems, Planning ... 06704
Pulse generation, Delay ... 02447
Radar, Marine engineering, Position control ... 04709
Remote sensing, Tide gauges, Microprocessors ... 08685
Robots, Mechanical handling, Diesel engines, Cleaning ... 02044
Rockets, Thermal variables control, Switches ... 02098
Security, Power systems, Linear programming ... 06703
Sensors, Moisture measurement, Ceramics, Materials planning and control ... 02005
Specifications, Nondestructive testing, Nuts and bolts ... 01626
Steam turbines, Modeling ... 06555
Stepping motors, Motorola MC68701 ... 01684
Thermal insulation, Wire processing, Electric power apparatus, Reliability ... 00719
Thermal variables measurement, Acoustic variables measurement, Transistors ... 05521
Thyristors, Microcomputers ... 06529
Transmission lines, Buses, Circuit breakers, Switching, Power systems, Airports ... 03637
Turbines, Boilers, Electric power generation, Automation, Cost benefit analysis ... 01864
Utilities, Electric power transmission, Computer aided control, Ohio Edison Co. ... 03391
Vision, Focusing, POPEYE ... 05714
Automatic testing,
Actuators, Computer aided analysis, Fatigue ... 00255
Analog to digital converters, Calibration, Measurement errors ... 08831
Circuitry, Design, Logic, Fault detection ... 00679
Electrical resistivity, Concrete ... 05071
Flow of gases, Ultrasonics, Bubbles, Flowmeters ... 00363
Gauges, Pattern recognition, Calibration, Hough transforms, Signal processing ... 04335
Helicopters, Aerospace test facilities ... 00454
ITT1290, Telephones, Networks, Maintenance ... 04668
Metrology, Reliability, Measurement errors ... 00244
Microwave devices, Military ... 06462
Modeling, Transistors, Metal oxide semiconductors ... 05947
Printed circuit boards, Fault detection ... 09300
Resonators, Frequency, Flow of gases, Dielectrics ... 01098
Thermal variables measurement, Calibration ... 00249
Wood processing, Classification, Statistical analysis, Lasers, Scanning ... 04045
Automation,
Accelerators, Magnetic variables measurement, Transducers, Synchrophasotrons ... 08508
Acoustics, Motor vehicles, Transducers, Control systems, Economics ... 00622
Adhesives, Robots, Research and development, Design ... 06920
Aircraft engineering, Economics, Manufacturing ... 08514
Aircraft engineering, Guidance and control systems, Navigation, Lasernav ... 06285
Aircraft, Flight control systems, Autopilot ... 08583
Aircraft, Scheduling, Traffic, Operations research ... 00465

Automation, (continued)
Airports, Air traffic control ... 00627
Artificial intelligence, Problem solving, Logic, Expert systems, Robots ... 08536
Assembling, Mechanical handling, Pallets ... 03570
Assembling, Mechanical handling, Robots, Hitachi ... 03589
Assembling, Motors, Components, Production control ... 03615
Assembling, Production control, Robots ... 00400
Assembling, Production control, Tape recorders, Flexible manufacturing systems ... 00387
Automotive engineering, Gear trains, Manufacturing, Robots, Assembling ... 05189
Automotive engineering, Inspection, Radiography ... 01910
Banking, File management, Information retrieval, Documentation ... 03745
Batch automation, Distributed systems, Controllers, Programming ... 06933
Carburizing, Computer aided manufacturing, Loops, Modeling, Diffusion ... 02064
Cartography, Identification, Pattern recognition, Raster displays ... 02249
Cartography, Image processing, Data collection, Modules ... 02238
Cathode ray tubes, Testing, Electron beams, Targeting, Output ... 02485
Chemical process industry, PCB compounds, Mechanical handling, Robots ... 02062
Circuit breakers, Research and development, Data collection, Materials testing ... 00105
Circuitry, Electronic equipment, Assembling, Computer aided manufacturing ... 01273
Coding, Televisions, Color, Signal processing, Error correcting codes ... 01566
Coil winding machines, Programming, Electronic equipment ... 01674
Computer aided control, Scanning, Thermal variables measurement ... 02007
Computer aided manufacturing, Batch process control, Programming, Technology ... 06901
Computer aided manufacturing, Testing, Equipment, Circuitry ... 06055
Control systems, Petrochemical industry, Systems design ... 00399
Cost benefit analysis, Electric power generation, Boilers, Turbines ... 01864
Discharges, Spark gaps, Computer aided control, Dissertation ... 09075
Electric power distribution, Bibliography ... 08349
Electric power distribution, Computer aided control, Data bases, Standards ... 00127
Electric power distribution, Computer aided control, Optimization, Capacitors ... 01732
Electric power distribution, Reliability, Maintenance, Redundancy, Equipment ... 00129
Electric power generation, Scheduling, Security, Economics, Optimization ... 01854
Electronic equipment, Telephones, Private branch exchange, Economics, Marketing ... 01467
Emissions control, Instrumentation, Laboratory testing ... 05424
Equipment, Assembling, Mechanical handling ... 00397
Fiber optics, Electronic equipment, Sensors ... 07695
Filters, Design, Minimax, Problem solving, Impulse response ... 02370
Finance, Government agencies, Electronic funds transfer, Communication networks ... 02986
Flexible manufacturing systems, Automotive engineering, Machine tools ... 00629
Flexible manufacturing systems, Workstations, Mechanical handling ... 02041
Frequency, Data transmission, Radio frequency, Distributed processing ... 04943
Frequency, Electric power distribution, Telemetry, Radio communications ... 04535
Frequency, Measurement, Microcomputers, Damping, Oscillation ... 01919
Guidance and control systems, Aircraft, Prediction, Identification, Dynamics ... 00467
Harbor installations, Safety systems, Marine engineering, Navigation ... 00620
Image processing, Cameras, Electronic equipment, Mapping, Productivity ... 02546
Industrial plants, Robots, Control systems ... 06905
Industrial plants, Robots, Employment ... 08524
Industrial processes, Process control, Microprocessors ... 06936
Industry, Programmable controllers, Local area networks ... 08548
Inspection, Quality control, Ball bearings, Surface properties ... 03992
Instrumentation, Precision engineering, Calibration ... 05032
Instrumentation, Research and development, Technological forecasting ... 03409
Integrated circuits, Computer aided design, Transistors, Testing, Technology ... 02793
Integrated circuits, Hierarchies, Computer aided design, Performance ... 07631
Integrated circuits, Technology, Design, Converters, Arrays ... 07634
Integrated circuits, Televisions, Receivers, Synchronization ... 02955
Interactive systems, Lasers, Scanning, Displays, Control systems ... 02217
Logic, Modules, Design, Feedback, Technology ... 07617
Machining centers, Robots, Sensors, Controllers, Programming languages ... 00428
Magnetic variables measurement, Instrumentation, Computer aided control ... 05090
Manufacturing, Robots, Labor relations ... 05210
Manufacturing, Robots, Numerical control ... 03882
Mathematical models, Monitoring, Ergonomics, Man machine interactions ... 05216
Measurement errors, Analog to digital converters ... 07092
Measurement, Scattering, Electromagnetics, Minicomputers ... 03479
Mechanical handling, Agriculture, State of the art ... 02328
Mechanical handling, Assembling, Flexible manufacturing systems, Lasers ... 00386
Mechanical handling, Control systems, Data processing, Design, Interface ... 02332
Mechanical handling, Conveyors, Robots, Process plants ... 03581
Medical electronics, Monitoring, Cardiovascular system ... 03677
Metal oxide semiconductors, Transistors, Testing ... 04500
Microprocessors, Computer aided control, Production control, Filters, Frequency ... 02360
Microwave radiation, Networks, Reflectometers, Junctions, Calibration ... 01647
Military engineering, Guidance and control systems, Military aircraft, Defense ... 00496
Modems, Communication networks, Controllers, Circuitry ... 03024
Music, Quality control, Pulses, Sequences, Weighting ... 09480
Nondestructive testing, Horological instruments, Reliability, Leak detection ... 08577
Offshore structures, Pipes, Welding, Remote sensing, Underwater technology ... 00445
Optical character recognition, Cartography, Performance, Structural analysis ... 00550
Optics, Telescopes, Scanning, Minicomputers, Photography ... 00377
Optimization, Spectrometers, Dissertation, Atomic absorption spectrometry ... 06790
Pattern recognition, Underwater technology, Optics, Photography ... 01535
Personnel, Data processing, Records management, Micrographics ... 02562
Photography, Cameras, Optics, Computer aided control, Microcomputers ... 02577
Photography, Photometry, Image processing, Space technology ... 08705
Power plants, Control systems, Reliability, Economics ... 03313
Power plants, Programmable controllers ... 08240
Precision engineering, Assembling, Cameras, Production control ... 00762
Precision engineering, Resistors, Lasers, Cutting ... 00726
Printers, Telephones, Terminals, Economics ... 03056
Private branch exchange, Telephones, Speech transmission ... 01468
Process control, Economics, State of the art ... 08549
Production control, Distributed processing, Hewlett Packard 3000/40 ... 05400
Production planning, Plant and factory layout, Technological forecasting ... 02059
Programming, Control systems, Path location ... 00403

Automation, (continued)
Publishing, Technological forecasting, State of the art 05554
Publishing, Technology, Instrumentation, Software development 02284
Remote sensing, Meteorology, Systems analysis 08692
Research and development, Optics, Lithography, Electron beams 05778
Robots, Computer aided manufacturing, Production, Machinery 03617
Robots, Manufacturing, Productivity, Economics, Taiwan 02030
Robots, Sensors, Vision, Mechanical handling, Guidance and control systems 00440
Rolling mills, Metals, Control systems, Thickness measurement 02063
Rolling mills, Process control, Mechanical handling 01242
Safety systems, Locks, Electronic equipment 03730
Safety systems, Nuclear power plants, Environmental monitoring 05384
Scanning, Remote sensing, Mapping, Image processing, Transformations 02185
Sewage treatment, France, Monitoring, Radar 04717
Ships, Marine engineering, Control systems, Engines, Propulsion 02331
Signal processing, Speech recognition, Detection, Adaptive control 01478
Signal processing, Transformations, Filters, Simulation, Prewarping 03799
Simulation, Communication networks, Distributed systems, Control systems 03761
Space technology, Mechanical handling, Robots, Artificial intelligence 02040
Technology, Relays, Switches 09129
Teleconferencing, Computer aided control, Telephones, Signal transmission 01472
Telephones, Economics, Private branch exchange, Banking, Finance 03047
Telephones, Signal processing, Mobile systems 03066
Televisions, Quality control, Surface properties, Interferometry 08503
Televisions, Receivers, Interference, Broadcasting, Filtering 02964
Testing, Integrated circuits, Interfaces 09272
Testing, Ultrasonics, Data processing, Inspection 05105
Thermal variables control, Power plants, Control systems, Mathematical models 01768
Transportation, Railway engineering, Scheduling, Optimization 02347
Vision, Image processing, Noise, Filtering, Inspection 03185
Vision, Inspection, Computer graphics, Surface texture, Pattern recognition 02574
Wire processing, Robots, Computer aided manufacturing, Testing 00434

Automotive engineering,
Aerodynamics, Computer aided design, Honeywell DPS 6-80M, Ford Motor Co. 03765
Artificial intelligence, Assembling, Robots, Jaguar 03601
Artificial intelligence, Assembling, Robots, Saab 03602
Artificial intelligence, Production control, Robots, Alfa Romeo 03613
Assembling, Computer aided manufacturing, Programmable controllers, GM 06937
Assembling, Flexible manufacturing systems, Turnkey systems, Renault 08529
Assembling, Mechanical handling, Robots 05199
Assembling, Mechanical handling, Robots, GM 06928
Assembling, Mechanical handling, Robots, Jaguar 08520
Batteries, Energy storage components, Li-Al/FeS 08321
Computer aided design, Computer aided manufacturing, Technology 02348
Computer aided design, Finite element method, Numerical control, Economics 03767
Computer aided design, Technological forecasting, Capital investment 00619
Control systems, Sensors, Computer aided design 00617
Diesel engines, Rotating bodies, Computer aided control, Microcomputers 02334
Displays, Discharges, Luminescence 00624
Electric vehicles, Microcomputers, Computer aided control 02340
Electronic equipment, Fuel injection 00616
Electronic equipment, State of the art 00625
Flexible manufacturing systems, Machine tools, Mechanical handling, Automation 00629
Gear trains, Manufacturing, Robots, Assembling, Automation 05189
Guidance and control systems, Microcomputers, Liquid crystals, Displays 02346
Guidance and control systems, Microcomputers, Vacuum technology, Fluorescence 02339
Inspection, Robots, Vision, Microprocessors, Valves 08556
Mechanical handling, Production control, Robots, Saab 05206
Mechanical handling, Robots, Drives, Hydraulic systems 03603
Microcomputers, Guidance and control systems, Liquid crystals, Displays 02529
Microcomputers, Research and development, Product development 02336
Microcomputers, Speech synthesis, Computer aided control, Control systems 02341
Radio frequency, Electric power apparatus, Noise, Electronic equipment 03763
Radiography, Nondestructive testing, Aluminum, Casting 01910
Robots, Purchasing, Mechanical handling, Computer aided manufacturing 02029
Sensors, Coil winding machines, Anemometers, Flow of gases 02003
Sensors, Silicon, Pressure measurement, Integrated circuits, Piezoresistivity 02627
Velocity, Microcomputers, Guidance and control systems 02333
Viscosity, Friction, Motors, Brakes, Numerical analysis 03286
Voltage, Controllers, Circuitry 08799
Welding, Artificial intelligence, Robots, GM Corp. Pontiac Division 08521

Automotive industry,
Assembling, Mechanical handling, Robots 03590
Mechanical handling, Robots, Assembling, Computer aided control 08546
Robots, Manufacturing, Technology 00424
Sensors, Films, Pressure measurement, Control systems 04338
Technology, Research and development, Materials testing 03604
United Kingdom, Mechanical handling, Flexible manufacturing systems, Robots 03591
United Kingdom, Technological forecasting, Welding, Robots 03577

Avalanche diodes,
Fabrication, Gallium arsenide, Doping, Semiconductors 09188
Photodiodes, Superlattices, Fabrication, Molecular beam epitaxy 08868

Avalanche photodiodes,
Doping, Current voltage, Tunneling, Gain 02493
Noise, Heterostructures, Photodevices 02492

Avionics,
Distance measurement, Standards, Microwaves, Landing gear 06466
Satellites, Navigation 07806
Signal processing, Performance, Cost benefit analysis, Standards 07863
Standards, Distance measurement, Microwaves, Landing gear 06957

Backscattering,
Antennae, Statistical analysis, Gaussian processes 04808
Attenuation, Fiber optics, Pulse broadening 06123

Backscattering, (continued)
Computer aided analysis, Scanning electron microscopy, Image processing 02
Cross sectional measurement, Surface properties, Bragg scattering, Optics 08
Electric fields, Integral equations, Impedance, Current density 08
Electromagnetics, Wave propagation 08
Electromagnetics, Wave propagation, Cylindrical antennae, Backscattering 08
Electron beams, Relativistic particles, Lasers, Gain 07
Fiber optics, Wave propagation, Refractive indices 09
Ice, Polarization, Reflectivity, Radar 01
Infrared, Electron beams, Plasmas, Lasers 00
Radar, Atmospheric conditions, Electric fields, Probes 01
Radar, Spectral analysis, Light scattering, Oceanography 03
Rutherford backscattering, Silicon, Solar cells, Contacts, Metallization 05
Signal detection, Interferometers, Reflection, Doppler shift 04
Surface properties, Remote sensing, Microwaves 03

Backup systems,
Satellite communications, Radios, Reliability, Stability, Frequency 09

Balancing,
Baluns, Transformers, Calibration, Computer aided control, Network analyzers 04
Damping, Calibration, Transmission lines, Electric power generation, Voltage 01
Damping, Transformers, Vibration, Harmonics 01
Force, Damping, Coil winding machines 01
Internal combustion engines, Computer aided control, Energy conservation 02
Power systems, Thyristors, Loading, Current voltage 01

Ballasts,
Illumination, Fluorescence, Photodevices, Product development, Power supply 00

Ballistics,
Aircraft, Flight control systems, Systems design, Flight/fire control systems 00
Gallium arsenide, Displacement, Simulation, Electrons, Numerical analysis 01
Military aircraft, Radar 04
Military engineering, TOW, Design, Image processing 00
Missiles, Position control, Simulation, Monte Carlo method 06
Missiles, Radar, Detection, Satellite communications, USSR 03
Propellants, Rockets, Flames, Modeling 03

Baluns,
Conversion, Impedance, Frequency 03
Transformers, Balancing, Calibration, Computer aided control, Network analyzers 04

Band gaps,
Electrolytes, Electrodes, Pressure, Friction 01
Fluidics, Fuel cells, Capacitance voltage, Field effect, Dissertation 01
Metal oxide semiconductors, Solar cells, Thermal variables measurement 05
Schottky diodes, Junctions, Radiation, Trapping 01
Semiconductors, IMPATT diodes, Signal converters, Heterojunctions 01
Silicon carbide, Schottky diodes, Deformation, Electroluminescence 07

Bandpass filters,
Amplifiers, Capacitors, Frequency 00
Current, Impedance, Resistors, Configuration 00

Bandwidths,
Arrays, Integrated circuits, Image processing, Structural analysis, Loading 06
Automation, Frequency, Data transmission, Radio frequency 04
Channels, Fiber optics, Modulation, Receivers, Sensitivity 01
Channels, Radios, Mobile systems, Error correcting codes, Signal transmission 01
Channels, Transmission, Feedback, Noise 047
Design, Traveling waves, Antennae, Microstrips 081
Differential equations, Optics, Waveguides, Regression analysis 026
Distortion, Patterm recognition, Antennae, Arrays 048
Electromagnetic waves, Voltage, Horn antennae 048
Fiber optics, Attenuation, Light, Wave propagation 077
Fiber optics, Communications, Cables, Materials testing 077
Fiber optics, Fabrication, Economics, Wavelength division multiplexing 013
Filters, Frequency, Circuitry, Transfer functions 087
Filters, Frequency, Design, Attenuation, Amplifiers 006
Filters, Gain, Transfer functions 054
Filters, Microprocessors 023
Filters, Receivers, Modulation, Noise, Error 023
Frequency, Broadcasting, Radiotelephones, New Zealand, Signal transmission 013
Frequency, Cylindrical antennae, Impedance, Radios, Dissertation 032
Gain, Capacitors 038
Gain, Integrated circuits, Fabrication 028
Gain, Transistors, Current 011
Integrated circuits, Architecture, Connectors, Technology 092
Ion implantation, Np junctions, Solar cells, Sensors 007
Microwaves, Waveguides, Antennae, Satellite communications 081
Modeling, Communications, Noise, Filters 078
Modulation, Inverters, Buses, Capacitors, Harmonics 049
Modulation, Waveforms, Ultrasonics, Switches, Power systems 065
Multiplexing, Modulation, Channels, Signal processing, Dissertation 079
Multiplexing, Speech recognition, Frequency, Orthogonality, Coding 063
Optimization, Fiber optics, Optics, Communications 077
Optimization, Filters 006
Optoelectronics, Integrated circuits, Modulation, MESFET 089
Polarization, Converters, Antennae, Diodes 048
Pulse generation, Modulation, Fiber optics, Channels 015
Pulse shape Design, Data transmission, Teletext 014
Radio frequency, Capacitance, Varactors, Oscillators 038
Satellite communications, Transmission, Interference 036
Satellites, Data transmission, Channels, Transponders 004
Signal processing, Amplitude, Channels, Satellite communications, Feedback 014
Signal processing, Speech transmission, Military, Coding, Dissertation 047
Signal processing, Telecommunications, Spectral analysis 031
Spectral analysis, Channels, Time measurement, Clock synchronizers 031
Speech synthesis, Signal processing, Communication networks, Data compression 015
Televisions, Technology, Consumer electronics 093
Time measurement, Telecommunications, Fiber optics 0934

Banking,
Automation, File management, Information retrieval, Documentation 0374

king, (continued)
Communication networks, Data processing, Accounting, Packet switching 03029
Data communications, Local area networks, Backup systems, Scotland 01427
Electronic funds transfer, Economics, Technology 09430
Electronic funds transfer, IBM PC, Wells Fargo 04623
Electronic funds transfer, Security, Forecasting 02281
ersonal computers, Online systems, Electronic funds transfer 07089
ersonal computers, Videotex, Standards, Home banking 09449
Records management, Storage, Security, United Virginia Bank 08718
elecommunications, Data transmission, Fiber optics, Citibank 06147
elephones, Automation, Economics, Private branch exchange, Finance 03047
Transaction processing; Electronic funds transfer, Security 08710
Videotex, Data processing, Communication networks, Systems design 09396
codes,
Mechanical handling, Vision, Pattern recognition, Computer aided manufacturing 02297
Optics, Reliability, Electronic equipment, Design, Research and development 02569
Oscilloscopes, Measurement, Programming, Error, Image processing 02146
RITT diodes,
Millimeter waves, Mixers, Detectors, Dissertation 01147
Schottky diodes, Frequency, Converters, Noise, Dissertation 02716
rium compounds,
Films, Josephson junctions, Tunnel junctions, Electromagnetics 09062
rium titanate,
Capacitors, Crack propagation, Printed circuit boards, Integrated circuits 02480
Dielectrics, Ceramics, Microwaves, Resonators 04832
Ferroelectrics, Bonds, Lattices, Paraelectricity 05883
thymetry,
Oceanography, Radar, Image processing, Wave propagation 02276
tteries,
Aluminum oxide, Electrolytes, Surface properties, Degradation 04974
Anodes, Breakdown, Magnesium 00176
Computer aided design, Voltage, Charge carriers, Dissipation, Electric vehicles 00188
Conductance, Hydrogen, Lead, Acids 00179
Current density, Discharges, Polarization 08305
Design, Power supply 00178
Discharges, Lifetimes, Nickel, Cadmium, Modeling 08297
Electric vehicles, Energy storage components, Loading 04971
Electric vehicles, Harmonics, Current 01781
Electrodes, Corrosion, Lead, Sulfur acid, Voltammetry 08312
Electrodes, Energy storage components, Current voltage 03328
Electrodes, Graphite, Conductivity, Impedance 00172
Electrodes, Graphite, Discharges, Electrochemistry 03337
Electrodes, Polarization, Potentials, Corrosion, Quality control 06650
Electrodes, Thickness measurement, Corrosion, Current density 00181
Electrolytes, Energy storage components, Pressure, Carbon black 03330
Energy storage components, Automotive engineering, Li-Al/FeS 08321
Energy storage components, Fabrication, LiAl/FeS 01802
Energy storage components, Polymerization, Electrochemical reactions, Doping 08501
Energy storage components, Service life, Computer aided analysis 03324
Energy storage components, Solar energy, Computer aided analysis 00202
Energy storage components, Spacecraft, Technology 06973
Fuel cells, Energy storage components, Electrochemical reactions, Modeling 00184
Fuel cells, Energy storage components, Space technology, Space stations 08318
Integrated circuits, Electronic equipment, Fabrication, Selection, Economics 01797
Lead, Acids, Energy conservation, Japan 06656
Lead, Capacity, Discharges 04976
Lead, Energy storage components, Carbon, Additives, Voltage 06657
Life cycle tesing, Data collection, Pattern recognition 08298
Magnesium, Breakdown, Anodes, Chemical variables measurement 00177
Magnesium, Magnesium chloride, Current density, Lifetimes 03329
Materials recovery, Lead, Wastes, Process development 03333
Mining, Safety, Research and development 08295
Nickel, Cadmium, Energy storage components, Design, Testing 06652
Nickel, Electrodes, Fabrication, Energy storage components 08300
Nickel, Hydrogen, Cells, Separators, Design 08319
Pacemakers, Cardiovascular system, Energy sources, Biomedical engineering 07006
Performance, Cerium oxide, Electrolytes, Thermodynamics 00174
Performance, Service life, Maintenance 01804
Pipelines, Oil, Electric power generation, Generators, Pumps 04941
Polythiophene, Films, Electrodes, Energy storage components 01793
Power supply, Metal oxide semiconductors, Random access memory 04478
Primary cells, Impedance, Open circuit voltage, Charge 03339
Robots, Mechanical handling, Stair robots 08533
Safety systems, Missiles, Aerospace test facilities, Standards 01794
Service life, Thermal variables measurement, Materials testing, Rubber 00187
Sodium, Sulfur, Specific heat, Entropy 03334
Solar cells, Arrays, Energy storage components, Resistance 00210
Spacecraft, Energy storage components, Electric power transmission, Propulsion 03632
Sulfur, Sodium, Performance, Thermodynamics 06647
Zinc, Boron, Fuel efficiency, Energy storage components 01795
eacons,
Transponders, Antennae, Design, Performance 08099
eam propagation,
Algorithms, Arrays, Radar, Antennae, Noise 03103
Annular synthesis, Millimeter waves, Telescopes 02910
Carrier waves, Waveguides, Lasers 00940
Microscopy, Acoustics, Velocity, Impedance 03502
Pattern recognition, Waveguides, Lasers, Diffraction 00908
Power supply, Voltage, Reflector antennae 01669
Recording systems, Optical storage, Power supply, Semiconductor lasers 01501
elgium,
Cable television, Fiber optics, State of the art 07748
eryllium,
Alloys, Silicon, Gold, Ion sources, Fabrication 03429
Ion implantation, Indium antimonide, Pn junctions, Current voltage 08414
Ion implantation, Indium gallium arsenide, Field effect transistors 01192

Beryllium, (continued)
Ions, Lasers, Cooling, Clocks 06869
Beryllium aluminum silicate,
Lasers, Emissions, Excitation 04016
Beryllium oxide,
Ceramics, Millimeter waves, Refractive indices, Absorption, Dielectricity 07534
Betatrons,
Design, Accelerators, Magnetic fields, Lasers 08512
Bias,
Charge carriers, Silicon, Pn junctions, Recombination, Leakage current 02693
Drain, Noise, Thermal variables measurement, Voltage, Transistors 01231
Impedance, Radio frequency, Superconductivity, Tuning 04121
Switching, Resistors, Semiconductors, Field effect transistors, Logic circuits 01210
Biology,
Behavior, Electric fields, Human factors, Baboons 00316
Biomedical engineering, Electronics, Research and development 00515
Birefringence, Genetics, Ultraviolet radiation, Dissertation 00280
Current, Spectral analysis, Microwaves, Radiation 05293
Cytology, Microwaves, Radiation, Thermodynamics 03682
Electric fields, Data collection, Electric variables measurement 08443
Electric fields, Magnetic fields, Radiation, Microorganisms 05288
Electric fields, Materials testing, Insulators 08293
Electrophysiology, Neural system, Current, Pacemakers, Recording systems 03683
Hyperthermia, Tissues, Simulation, Cancer 05340
Image processing, Electron microscopy, Optics 05701
Magnetic fields, Electric fields, Public health, Transmission lines 04914
Microwaves, Doppler shift, Radar, Interferometry, Dissertation 08420
Microwaves, Electrons, Photoconductivity, Magnetic fields 03441
Positron emission tomography, Kinematics, Radioisotopes, Physiology 00518
Radiation dosimetry, Nuclear medicine 02134
Radiation, Microwaves, Waveguides, Adsorption 03235
Sampling methods, Acoustics, Fluorescence, Oceanography, Dissertation 00333
Stability, Waveform generators, Oscillators, Modeling 05535
Telemetry, Data collection, Wildlife, Ecology 05425
Telemetry, Integrated circuits, Transducers, Reliability 06199
Biomechanics,
Head movement, Loading, Viscosity, Force, Muscles 07003
Biomedical electronics,
Transducers, Sensors 09131
Biomedical engineering,
Acoustics, Measurement, Cardiovascular system, Dissertation 06857
Capacitors, Electrodes, Microwaves, Heat treatment 06464
Cardiovascular system, Image processing, Myocardial extracellular space 03675
Cardiovascular system, Modeling, Sensitivity 03678
Cardiovascular system, Pacemakers 07005
Cardiovascular system, Pacemakers, Telecommunications 07008
Cardiovascular system, Servomechanisms, Dissertation 02149
Circuitry, Amplifiers, Voltage, Stability, Numerical analysis 05504
Clinical medicine, Imaging, Mathematical models 05297
Computer programs, Programmable calculators, Filters, Amplifiers, Testing 00640
Cytology, Acoustic emissions, Wave propagation, Thickness measurement 00346
Data compression, Algorithms, Approximations, Error, Electrocardiograms 05310
Dispersion, Multiple sclerosis, Diagnostics 02154
Electric variables measurement, Frequency, Moisture, Bones 07015
Electrocardiograms, Monitoring, Waves, Cardiovascular system 02150
Electromagnetic waves, Torsion, Ultrasonics, Bones, Piezoelectricity 02147
Electronics, Biology, Research and development 00515
Energy sources, Cardiovascular system, Batteries, Pacemakers 07006
Eye movement, Algorithms, Vision, Filters 05335
Filters, Design, Error, Modeling, Noise 05320
Fluid dynamics, Prosthetics, Valves, Design, Performance 08636
Fluid dynamics, Prosthetics, Valves, Design, Testing 08634
Fluid dynamics, Valves, Prosthetics, Testing, Technology 08635
Gamma radiation, Image processing, Quality control 05295
Gas lasers, Dentistry, Research and development, Therapeutics 09043
Image processing, Reconstruction, Pattern recognition 03672
Image processing, Signal to noise ratio, Radiation, Detection, Displays 06997
Image processing, Ultrasonics, Transducers, Resolution 01992
Image processing, X-rays, Signal to noise ratio, Filtering, Measurement 06994
Imaging, Brain, Magnetic fields 05323
Instrumentation, Data processing, Computer aided analysis 08630
Materials testing, Corrosion, Wear, Thermodynamics, Simulation 08642
Materials testing, Loading, Mechanical strength, Chemical variables control 08643
Mathematical models, Ultrasonics, Signal processing 05107
Medical electronics, Cancer, Radiology, Thermal variables control 00529
Medical electronics, Computer aided analysis, Pulses 02140
Medical electronics, Simulation, Vision, Image processing 00526
Metering, Cardiovascular system 02151
Microwave devices, Tomography, Diffraction, Methodology 05291
Microwaves, Doppler shift, Radar, Impedance 01534
Modeling, Electroencephalograms 03679
Modeling, Neurology, Threshold stimulus amplitudes 05317
Monitoring, Cardiovascular system, Technology 07004
Monitoring, Sensors, Transducers, Integrated circuits, Dissertation 06992
Nuclear magnetic resonance, Tomography, Image processing, Protons 05045
Pacemakers, Cardiovascular system, Telecommunications 07007
Polymers, Performance, Elasticity, Molding, Materials testing 08645
Pressure, Sensors, Piezoresistivity 08627
Probes, Thermal variables measurement, Esophageal temperature 08637
Prosthetics, Artificial limbs, Control, Pattern recognition 05344
Prosthetics, Computer aided design, Computer aided manufacturing 03658
Prosthetics, Manufacturing, Research and development 05345
Prosthetics, Mechanical strength, Cement, Materials testing 08644
Psychology, Electroencephalograms, Computer aided analysis, Time series 05314
Radar, Doppler shift 07874
Reflection, Image processing, Ultrasonics, Speckle, Dissertation 00356

Biomedical engineering, (continued)
- Respiratory system, Lung disease, Random noise impedance ... 02158
- Sensors. Integrated circuits, Photolithography, Oxygen, Dissertation ... 01279
- Signal processing, Data collection, Coding, Minicomputers, Electrocardiograms ... 05308
- Signal processing, Waveforms, Cardiovascular system, Orthogonality, Simulation ... 05307
- Telemetry, Circuitry, Transducers, Performance ... 06990
- Telemetry, Technology ... 05290
- Temperature, Feasibility studies, Hyperthermia, Cancer ... 06999
- Transducers, Image processing, Ultrasonics ... 00514
- Ultrasonics, Diagnostics, Contrast, Image processing, Signal to noise ratio ... 00516
- Ultrasonics, Imaging, Cardiovascular system, Ventricular volume ... 05296

Bipolar devices,
- Analog to digital converters, Design, Signal processing, Amplifiers ... 08832
- Arrays, Logic circuits, Computer aided design, Research and development ... 09263
- Circuitry, Design, Random access memory, Capacitors, Fabrication ... 09284
- Circuitry, Logic, Memory, Transistors, Technology ... 09283
- Circuitry, Transistors, Design, Performance ... 09264
- Conductance, Instrumentation, Current voltage, Computer aided control ... 03551
- Converters, Current, Voltage, Frequency, Circuitry ... 05541
- Digital to analog converters, Delay, Velocity, Research and development ... 07217
- Electric fields, Voltage, Transmission lines, Conductivity, Ion current density ... 01042
- Field effect transistors, Amplifiers, Switching, Input, Integrated circuits ... 02431
- Filters, Amplifiers, Integrated circuits, Control systems, Current voltage ... 08755
- Gallium arsenide, Integrated circuits, Microwave devices, Silicon, Design ... 01240
- Gallium arsenide, Random access memory, Logic circuits, Length measurement ... 04454
- Integrated circuits, Computer aided design, Fault tolerance, Monte Carlo method ... 05919
- Integrated circuits, Fabrication, Metal oxide semiconductors ... 04490
- Integrated circuits, Manufacturing, Process development ... 06018
- JFET, Field effect transistors, Thermal variables measurement, Voltage ... 07614
- Large scale integration, Circuitry, Optimization, Modeling, Oxidation ... 06045
- Logic circuits, Arrays, Performance, Computer aided design, Error ... 07637
- Logic circuits, Large scale integration, Delay ... 04474
- Matrices, Optical communications, Arrays, Architecture ... 07309
- Metal oxide semiconductors, Read only memory, Programming, Voltage, Polysilicon ... 04412
- Monte Carlo method, Silicon, Metal oxide semiconductors ... 02766
- Multiplexers, Integrated circuits, Optical communications, Optimization ... 09282
- Noise abatement, Systems design, Integrated circuits, Amplifiers ... 02422
- Numerical analysis, Doping, Semiconductors, Simulation, Boltzmann equations ... 01110
- Process control, Modeling, Metal oxide semiconductors, Computer aided design ... 04511
- Radios, Receivers, Integrated circuits, Silicon, Technology ... 02831
- Random access memory, Integrated circuits, Metal oxide semiconductors ... 02759
- Recording systems, Integrated circuits, Design, Signal processing, Color ... 02960
- Signal processing, Pulses, Modulation, Waves, Polynomials ... 03193
- Silicon, Logic circuits, Thermal variables measurement, Modeling ... 02819
- Simulation, Optimization, Metal oxide semiconductors, Computer programs ... 02817
- Telecommunications, Circuitry, Switching, Design, Buses ... 07640
- Thin films, Fuses, Read only memory, Programming, Spectroscopy ... 01241
- Transistors, Optics, Electronic equipment, Technology, Research and development ... 04398
- Transistors, Performance, Simulation, Gallium arsenide, Integrated circuits ... 09199
- Transistors, Simulation, Computer programs, Dissertation ... 01169
- Transistors, Voltage, Control systems, Metal oxide semiconductors ... 09211

Bipolar transistors,
- Charge, Lifetimes, Collectors, Current ... 07564
- CMOS, Design, Optimization, Latching ... 09241
- Current, Doping, Gain ... 01170
- Current, Modeling, Temperature, Computer aided analysis, Dissertation ... 07565
- Current voltage, Emitters, Doping, Diffusion, Electrical conductivity ... 07568
- Current voltage, Series resistance ... 07560
- Dielectrics, Resonators, Oscillation, Microwaves ... 02654
- Emitters, Silicon, Charge carriers, Dissertation ... 02731
- Etching, Gain, Polysilicon, Emitters ... 01175
- Fault tolerance, Statistical analysis, Simulation, Integrated circuits ... 06032
- Heterojunctions, Liquid phase epitaxy, Performance, (In,Ga)As/InP ... 05936
- Heterojunctions, Molecular beam epitaxy, Aluminum indium arsenide ... 02727
- Heterojunctions, Molecular beam epitaxy, Frequency, Performance, AlGaAs/GaAs ... 07567
- Heterostructures, Fabrication, Doping, AlGaAs/GaAs ... 07573
- Integrated circuits, Performance ... 09246
- Integrated circuits, Pressure, Sensors, Piezoresistivity ... 02628
- Metal insulator semiconductors, Gain, Emitters, Heterojunctions ... 01159
- Metal oxide semiconductors, Field effect transistors, Voltage, Protection ... 04419
- Microwave devices, Oscillators, Design ... 08823
- Npn junctions, Isolation, Fabrication, Buried oxide SOI films ... 05985
- Npn junctions, Silicon, Fabrication ... 01202
- Oscillators, Heterojunctions, Numerical analysis, GaAs/(GaAl)As ... 05532
- Pn junctions, Electric fields, Pressure, Carrier density, Transducers ... 01070
- Pnp junctions, Distortion, Signal processing ... 01162
- Polysilicon, Fabrication, Etching, Hydrofluoric acid ... 07563
- Resistivity, Structural analysis, Current voltage ... 02728
- Semiconductors, Integrated circuits, Switching ... 05494
- Semiconductors, Switching, Bias, Breakdown ... 09202
- Silicon, Doping, Numerical analysis, Carrier mobility ... 02696
- Silicon, Metal oxide semiconductors, Epitaxial growth, Reactive ion etching ... 02750
- Simulation, Finite difference method ... 05929
- Switching, Design, Performance ... 07579
- Telephones, Packaged components ... 06260

Birefringence,
- Biology, Genetics, Ultraviolet radiation, Dissertation ... 00280
- Fiber optics, Couplers, Fabrication, Polarization ... 09361
- Fiber optics, Isolators, Design, Temperature ... 09376
- Fiber optics, Modes, Electromagnetics, Wave propagation, Polarization ... 01355
- Fiber optics, Polarization, Stress ... 09372
- Fiber optics, Stress, Anisotropy, Green functions ... 09386
- Measurement, Fiber optics, Stress, Structural analysis ... 07744
- Phase shifts, Fiber optics, Polarization, Dispersion ... 07767
- Polarization, Fiber optics ... 09383
- Polarization, Fiber optics, Cables ... 07770

Birefringence, (continued)
- Stress, Fiber optics, Polarization ... 04

Bismuth,
- Bolometers, Far infrared, Detectors, Antennae, Thermal variables control ... 09

Bismuth compounds,
- Four wave mixing, Refraction, Crystals, $Bi_{12}SiO_{20}$ ... 08

Bismuth germanate,
- Scintillators, Performance, Simulation, Monte Carlo method ... 05

Bismuth silicon oxide,
- Holography, Storage, Interference, Photodevices ... 09

Bismuth sulfur iodide,
- Antimony sulfur iodide, Phase transitions, Microwaves, Spectral analysis ... 01

Bismuth telluride,
- Thin films, Charge coupled devices, Design ... 01

Bistability,
- MTOS, Junctions, Switching, Charge ... 09
- Optics, Integrated circuits, Light emitting diodes, Transistors ... 08

Blood,
- Diseases, Diagnostics, Lasers ... 07
- Flow measurement, Signal processing, Computer aided analysis, Apple II Plus ... 05
- Nuclear medicine, Blood analysis, Tracers ... 02
- Ultrasonics, Tissues, Fluid mechanics, Radiology ... 02

Boilers,
- Combustion, Monitoring, Microcomputers, Power plants, Systems design ... 05
- Corrosion, Pressure vessels, Nuclear reactors, Sensors, Probes ... 03
- Electric power generation, Automation, Cost benefit analysis, Turbines ... 01
- Service life, Power plants, Electric power generation ... 03

Bolometers,
- Far infrared, Detectors, Bismuth, Antennae, Thermal variables control ... 09
- Germanium, Neutrons, Doping, Heat treatment, Field effect transistors ... 01
- Thermal variables measurement, Infrared, Germanium, Circuitry ... 01
- Thermal variables measurement, Telescopes, Millimeter waves, Helium ... 00
- Thermistors, Yttrium iron garnet, Doping, Lasers, Irradiation ... 05
- Thin films, Infrared, Detectors, Thermal conductivity ... 05

Bones,
- Electrical conductivity, Dielectric permittivity, Impedance, Frequency ... 07

Boron,
- Doping, Aluminum, Silicon, Contact resistance, Annealing ... 034
- Doping, Metal oxide semiconductors, Channels, Performance ... 05
- Doping, MOSFET, Voltage, Numerical analysis ... 05
- Fabrication, Integrated circuits, Metal oxide semiconductors, Interfaces ... 028
- Ion implantation, Silicon dioxide, Traps, Metal oxide semiconductors ... 059
- Ion implantation, Silicon, Gallium arsenide, MESFET, Fabrication ... 059
- Silicon, Solar cells, Amorphous materials, Electric fields ... 056
- Zinc, Batteries, Fuel efficiency, Energy storage components ... 017

Boron chloride,
- Etching, Aluminum, Plasmas, Integrated circuits, Fabrication ... 028

Boron nitride,
- Microwaves, Dielectricity, Thermal variables measurement, Apertures ... 000

Boundary element method,
- Eddy current, Density, Magnetic fields, Conductors, Numerical analysis ... 055

Boundary layers,
- Acoustics, Meteorology, Signal transmission, Flow, Wind ... 053
- Aerosols, Satellite communications, Image processing, Meteorology, Sensors ... 070
- Aerospace test facilities, Airfoils, Aerodynamics ... 021
- Aircraft engineering, Guidance and control systems, Testing, Trajectory ... 052
- Atmospheric conditions, Turbulence, Pollutant dispersion, Mathematical models ... 070
- Contacts, Space charge, Thickness measurement, Dielectric permittivity ... 026
- Heat transfer, Flow, Magnetic variables measurement, Frequency ... 082
- Magnetic variables control, Conductors, Finite difference method ... 072
- Magnetohydrodynamics, Generators, Electric variables measurement, Modeling ... 049
- Magnetohydrodynamics, Stability, Surface properties, Numerical analysis ... 082
- Metals, Flow, Electric variables measurement, Magnetic variables measurement ... 051
- Meteorology, Atmospheric conditions, Wind, Monitoring ... 0371
- Turbulence, Flux, Thermodynamics, Wind, Measurement ... 0537
- Velocity, Viscous flow, Incompressible flow, Rotating bodies ... 0179
- Wave propagation, Acoustics, Laminar flow, Anemometers ... 0198
- Wave propagation, Atmospheric conditions, Refraction, Radar ... 0161
- Wind turbines, Rotors, Surface properties, Blades, Flow ... 0486

Boundary value problems,
- Autoregressive analysis, Spectral analysis, Estimation, Noise ... 0154
- Circuitry, Fault detection, Testing, Information processing, Economics ... 0067
- Diffraction, Electromagnetics, Waves, Spheroids, Partial differential equations ... 0480
- Elasticity, Crack propagation, Integral equations, Laplace transforms ... 0342
- Electromagnetics, Frequency, Waves, Simulation, Numerical analysis ... 0031
- Electrostatics, Optics, Lenses, Least squares estimation, Numerical analysis ... 0508
- Feedback, Control, Dynamical systems, Structural analysis, Uncertainty ... 0201
- Loops, Parameter estimation, Arrays, Signal processing ... 0325
- Manipulators, Joints, Mechanical handling, Algorithms, Design ... 0201
- Metal oxide semiconductors, Integrated circuits, Signal processing, Delay ... 0602
- Networks, Crosspoints, Concentrators, Embedding ... 0550
- Parameter estimation, Control systems, Adaptive control, Stability ... 0519
- Signal transmission, Feedback, Channels, Error, Probability ... 0156

Brazil,
- Hydroelectric power generation, Scheduling, Modeling ... 0331
- Meteorology, Remote sensing, Image processing, Satellites ... 0869

Breakdown,
- Anodes, Batteries, Magnesium ... 00176
- Anodes, Chemical variables measurement, Magnesium, Batteries ... 00177
- Cables, Numerical analysis ... 08197
- Current, Acoustic testing, Amplitude, Insulators, Electric fields ... 00353
- Current, Field effect transistors, Numerical analysis, JFET ... 09255
- Dielectrics, Alkanes, Insulators, Photography ... 06582
- Diodes, Surface properties, Chemical variables measurement ... 02707
- Discharges, Insulators, Surface properties, Spark gaps ... 01096
- Electric fields, Pressure, Modeling ... 06791

eakdown, (continued)
- Electrodes, Magnetohydrodynamics, Spark gaps, Insulators 00161
- Helium, Ruby lasers, Irradiation 07403
- Ionization, Discharges, Potentials, Pressure, Spark gaps 05568
- MOSFET, Transistors, Voltage, Dissertation 05966
- Photodiodes, Arrays, Silicon, Simulation 08866
- Radio frequency, Calibration, Voltage, Vacuum technology, Accelerators 00053
- Resistance, Metal oxide semiconductors, Transistors, Microelectronics 04429
- Resistivity, Power supply, Voltage, Schottky diodes 01139
- Schottky diodes, Voltage, Electric fields 01146
- Semiconductors, Pn junctions, Valence, Theoretical analysis 01126
- Semiconductors, Switching, Bias 09202
- Service life, Transmission lines, Voltage, Polymers 00101
- Silicon, IMPATT diodes, Current voltage 09190
- Switching, Transistors, Velocity, Current, Integrated circuits 01176
- Tunnel junctions, Noise, Josephson junctions 04162
- Vacuum technology, Insulators, Surface properties, Thermoplastics 00715
- Vacuum technology, Neutrons, Voltage 00288
- Voltage, Diodes, Doping, Planar processes 00290
- Voltage, Discharges, Pressure, Rod-plane gaps 04935
- Voltage, Doping, Photodiodes 03925
- Voltage, Energy storage components, Superconductivity, Magnets, Safety systems 04149
- Voltage, Gallium arsenide, Field effect transistors, Microwaves 09237
- Voltage, Gallium arsenide, Semiconductors, Pn junctions, Doping 04371
- Voltage, Gases, Insulators 01757
- Voltage, Insulators, Gases, Sulfur fluoride 03294
- Voltage, Ionization, Diodes, Silicon 09080
- Voltage, Motors, Winding, Power plants 08149
- Voltage, Plasmas, Displays, Electrodes, Cesium 08863
- Voltage, Pn junctions, Electric fields 02724
- Voltage, Schottky diodes, Interfaces, Heat treatment, Al/n-Si 07556
- Voltage, Spark gaps, Electrodes 00095
- Voltage, Spark gaps, Electrodes, Transformers 01087
- Voltage, Surface properties, Charge, Pnn-device 09180
- Voltage, Switching, Pressure, Sulfur hexafluoride 08266
- Voltage, VDMOS, Design, Fabrication 09242

remsstrahlung,
- Ultraviolet, Spectrometers 00306

ridges,
- Aluminum, Thermal variables measurement, Current, Microwaves 04089
- Circuitry, Modeling, Relaxation, Dielectricity 01104
- Electric fields, Superconductivity, Current voltage, Josephson junctions 04171
- Electrochemistry, Fuel cells, Thermal variables measurement 03340
- Fabrication, Microelectronics, Josephson junctions, Superconductors 02613
- Fabrication, Microwaves, Irradiation, Current voltage 04238
- Impedance, Electrical resistance, Commutation, Power systems, Inductance 03310
- Indium, Josephson effect, Charge, Circuitry 05804
- Microelectronics, Current voltage, Superconductors 04107
- Microelectronics, Integrated circuits, Superconductors, Electrical resistance 04108
- Microwaves, Photoelectric effect, Dielectricity, Semiconductors 00806
- Niobium, Structural analysis, Current voltage, Thermal variables measurement 04114
- Proximity effect, Electrodes, Junctions, Superconductivity, SN-N-NS 05800
- Snubbers, Power systems, Transistors, Switching 02452
- Superconductivity, Resistors, Capacitors, Voltage 01019
- Superconductivity, Voltage, Indium, Dissertation 01025
- Transmission lines, Signal converters, Harmonics, Interference 01037

roadcasting,
- Amplifiers, Satellite communications, Receivers, Field effect transistors 03851
- Antennae, Electromagnetics 06409
- Architecture, Distributed processing, Local area networks, Protocols, Banet 07097
- Channels, Receivers, Radio communications, Feedback, Reliability 09572
- Coding, Teletext, Multiplexing, Music, Data transmission 02959
- Communication networks, Distributed systems, Data transmission 06356
- Communication networks, Packet switching, Speech transmission, Fault tolerance 01449
- Computer graphics, Office automation, Printing industry, Raster displays 07289
- Converters, Satellite communications, Signal transmission, Noise 07805
- Data transmission, Protocols 09570
- Dielectrics, Integrated circuits, Amplifiers, Receivers 03850
- Library science, Satellite communications, Technology, Televisions 09408
- Local area networks, Packet switching, Expressnet, Fasnet 04667
- Logic circuits, Arrays, Displays, Editing, Power 06368
- Modulation, Signal processing, Radio communications, Noise 04541
- Modulation, Signal transmission, Filtering, Integral equations, Simulation 07976
- Packet switching, Channels, Speech transmission, Air traffic control 07938
- Packet switching, Communication networks, Batch processing, Protocols 01426
- Packet switching, Data transmission, R-ALOHA 06107
- Performance, Radios, Space technology, Japan 02083
- Protocols, Data transmission, Control systems, Communication networks 04776
- Radiation, Buildings, Scattering, Modeling, Frequency 06407
- Radio communications, Packet switching, Protocols 01308
- Radios, Education, Government regulations, Dissertation 02349
- Radios, Railway engineering, Channels 02902
- Radios, Satellite communications, Spectral analysis, Allocation, Orbits 07778
- Radiotelephones, Frequency, Bandwidths, New Zealand, Signal transmission 01310
- Receivers, Circuitry, Ganging errors, Oscillators 02800
- Recording systems, Frequency, Microphones, Sound waves 03071
- Reliability, Receivers, Satellite communications, Modulation, Converters 02990
- Satellite communications, Economics, State of the art 07784
- Satellite communications, Interference, Precipitation, Control systems, Loops 02980
- Satellite communications, Linkages, Attenuation, Interference 03039
- Satellite communications, Noise, Signal processing, Receivers, Antennae 07802
- Satellite communications, Signal processing, Receivers, Modulation, Televisions 01381
- Satellite communications, Signal processing, Televisions, Antennae, Economics 07787
- Satellite communications, Signal reception 07775
- Satellite communications, Signal transmission, Marketing 03633
- Satellite communications, Spacecraft, Attitude control, Japan 02975

Broadcasting, (continued)
- Satellite communications, Televisions, Channels, Government regulations 06188
- Satellite communications, Televisions, Frequency, Modulation, Signal processing 02976
- Satellite communications, Televisions, Government regulations, Control 07797
- Satellite communications, Televisions, Government regulations, Technology 07798
- Satellite communications, Underwater technology, Fiber optics, Cables 09409
- Satellites, Government regulations, Business forecasting, Technology 01408
- Satellites, Signal reception, Attitude control, Atmospheric conditions 06181
- Satellites, Televisions, Planning, Modeling, Research and development 06171
- Signal processing, Radios, Distortion, Security, Spectrum inversion 04779
- Signal processing, Technology, Systems design, Customer services, Modeling 01313
- Spacecraft, Remote sensing, Satellite communications, Economics 06966
- Telecommunications, Fiber optics, Televisions, Transmission lines 02933
- Telecommunications, Routing, Transmission lines, Channels, Modeling 06173
- Teletext, Protocols, Coding, Computer graphics, Terminals 03036
- Televisions, Coding, Signal processing, Color, Quality control 07779
- Televisions, Education, Information services, Dissertation, Universities 07781
- Televisions, Information services 07785
- Televisions, Receivers, Interference, Automation, Filtering 02964
- Televisions, Research and development, Nigeria, Disssertation 09402
- Televisions, Technology, Color, Computer graphics 04577
- Televisions, Time sharing systems 09401
- Time measurement, Signal processing, Telecommunications, Standards, ATA 03150
- Transmission, Antennae, Control systems 03210
- Transmission lines, Radio frequency, Phase shifts, Irradiation, Distortion 03205
- Video systems, Animation, Photography, Technology 02968
- Videotex, Teletext, Interactive systems, Technology, Data transmission 06134

Bromine,
- Electrodes, Graphite, Fuel cells, Electrochemistry 03338

Bubble memory,
- Hydrogen, Films, Semiconductors, Optical storage 01508
- Optical storage, Density, Records management 01507
- Recording systems, Optical storage, Photoelectronics 01506

Bubbles,
- Cavitation, Flowmeters, Ultrasonics, Automatic testing 00363

Buffers,
- Data transmission, Speech recognition, Switching 09466
- Integrated systems, Communication networks, Terminals, Channels 01425
- Integrators, Capacitors, Switching, Voltage 07180
- Logic circuits, Arrays, Input output, Field effect transistors 07639
- Processors, Optoelectronics, Storage, Memory, Algorithms 00813
- Programming, Amplifiers, Attenuation, Circuitry, Error 02429
- Queueing theory, Communication networks, Switching, Optimization, Dissertation 03200
- Satellite communications, Image processing, Random access memory 03050
- Simulation languages, Routines, Programming, Scheduling, Speech transmission 07822

Buildings,
- Electronic equipment, Installation, Power supply, Specifications 02288
- Electronics, Nitrogen oxides, Ozone, Radiation 03259
- Heat transfer, Research and development, Sensors, Detectors, Infrared 03450
- Noise, Computer aided analysis, Emissions control, Economics 03522
- Optimization, Solar collectors, Solar energy 03359
- Risk assessment, Lightning, Standards 03713

Buoys,
- Oceanography, Wave propagation, Calibration, Sensitivity 02267
- Oceanography, Wave propagation, Sensors, Measurement errors 02269
- Oceanography, Wave propagation, Spectral analysis 02268
- Sonar, Position control, Submarines, Underwater technology, Detectors 04729

Buses,
- Access, Local area networks, Protocols, Scheduling 05397
- Aircraft engineering, Military aircraft, Multiplexing, Maintenance 02116
- Algorithms, Robustness, Power plants, Flow, Decomposition 01862
- Architecture, Communications, Distributed systems, Switching 02283
- Bipolar devices, Telecommunications, Circuitry, Switching, Design 07640
- Channels, Communication networks, Storage, Software development 04979
- Circuit breakers, Transmission lines, Automatic control, Switching 03637
- Communication networks, Processors, Memory, Modules, Standards 05398
- Current voltage, Mathematical models, Classification 01872
- Data transmission, Data bases, Fiber optics, Multiplexing, Channels 01364
- Design, Short circuits, Electromagnetics, Force, Oscillation 06580
- Distributed processing, Modeling, Networks, Queueing theory 05396
- Electric power generation, Generators, Classification, Online systems 04945
- Electronic equipment, Standards, Automation, Local area networks, Televisions 02948
- Fiber optics, Data transmission, Channels, Multiplexing 01363
- Image processing, Partitioning, Multiprocessing, Microprocessors 05704
- Local area networks, Architecture, Fiber optics, Performance 08727
- Local area networks, Distributed systems, Traffic, Access 08723
- Local area networks, Fiber optics, Topology, Structural analysis 09363
- Local area networks, Terminals, Access, Interfaces 00613
- Markov processes, Performance, Multiprocessors, Architecture 05386
- Microprocessors, Computer programs, Software development, Signal processing 01455
- Multiprocessors, Interfaces, Data structure, Standards 00601
- Networks, Data transmission, Structural analysis, Electric power generation 04944
- Numerical analysis, Current, Electric power generation 01873
- Optimization, Power plants, Voltage, Scheduling, Security 01773
- Performance, Electric power generation, Systems analysis 00086
- Probability, Distributions, Communication networks, Random variables 00238
- Protection, Differentials 00121
- Satellite communications, Minicomputers, Signal processing, Simulation 04608
- Short circuits, Shielding, Phase shifts, Amplitude, Current 00147
- Signal processing, Televisions, Microprocessors, Field memory, Receivers 02944
- Silicon, Computer aided control, Metal oxide semiconductors, Capacitance 00732
- Spectrometers, Interfaces, Data processing, Software development, Economics 01897
- Weighting, Electric power generation, Loading, Flow, Problem solving 00150

Business,
- Communications, Private automatic branch exchange, Teletex, Electronic mail 04629
- Communications, Radios, Telephones, Research and development 09325

Business, (continued)
- Communications, Software development, Syntax, CHILL 04630
- Data processing, Communication networks, Computer aided manufacturing 02983
- Office automation, Management information systems, Telecommunications 05394
- Telecommunications, Private automatic branch exchange, Pentaphone II 04665
- United States, Telecommunications, Management information systems 07835

Business equipment,
- Reproduction (copying), Cost benefit analysis 00834

Business forecasting,
- Capital investment, Fiber optics, Japan 00841
- Capital investment, Marine engineering, Telemetry, Satellites 02979
- Capital investment, Technological forecasting, Lasers 00915
- Costs, Loading, Electric power transmission 01762
- Economics, Government policies, Lasers, Marketing 00916
- Government regulations, Satellites, Broadcasting, Technology 01408
- Lasers, Production planning, Precision engineering 00999
- Satellites, Organization and methods, Technological forecasting 02988

Business statistics,
- Cameras, Micrographics, Printers 01378
- Labor relations, Economics, Productivity, Semiconductors, Dissertation 01107
- Random access memory, Product development, Integrated circuits, Semiconductors 04506
- Satellites, Marine engineering, Telemetry, Launching facilities 01402

Buying and selling,
- Capital investment, Military aircraft, Navigation, Guidance and control systems 00488
- Office automation, Word processors 02314
- Output devices, Printers, State of the art 00591
- Real estate, Micrographics, Hardware, Management 03985
- Telephones, Equipment, Economics 03064

Cable television,
- Electronic equipment, United States, Europe, Technology 06170
- Fiber optics, France, Belgium, State of the art 07748
- Fiber optics, Local area networks, United Kingdom 07783
- Fiber optics, Technological forecasting, State of the art 07782
- Technological forecasting, State of the art 06167
- Telecommunications, Fiber optics, Pacific Telephone and Telegraph 07724

Cables,
- Algorithms, Numerical analysis, Laplace transforms, Transmission lines, Loading 09086
- Aluminum, Connectors, Stress, Plating, Telephones 07234
- Bending, Fatigue, Service life, Fiber optics 01343
- Breakdown, Numerical analysis 08197
- Circuitry, Voltage, Conductors 08218
- Coaxial cables, Antennae, Transmission lines, Numerical analysis 04850
- Coaxial cables, Local area networks, Signals, Equalization 02637
- Coaxial cables, Striplines, Converters, Microwaves 03869
- Combustion, Materials testing, Epoxy resins 08180
- Convection, Heat transfer, Pipes, Numerical analysis 04918
- Cost benefit analysis, Paper industry, Cogeneration, Energy recovery 01696
- Cost benefit analysis, Transmission lines, Power systems 01740
- Coupling, Capacitance, Circuitry, Crosstalk, Digital systems 07472
- Design, Fiber optics, Optical properties, Attenuation 07734
- Design, Stability, Binding, Mechanical strength, Performance 07466
- Detection, Telecommunications, Underwater technology 04304
- Dielectric constants, Insulators, Oil 02682
- Dielectricity, Polyethylene, Insulators, Transmission lines 00720
- Dielectrics, Extrusion, Quality control 01752
- Dielectrics, Extrusion, Service life, Moisture control 08849
- Economics, Wires, Transmission lines, Estimation, Buildings 09471
- Electric power generation, Thermal variables measurement, Tray covers 08223
- Electric power transmission, Chemical variables control, Stress 08204
- Electric power transmission, Polyolefins, Insulators, Transmission lines 01746
- Electric power transmission, Thermal insulation, Water, Polymers, Service life 04917
- Electric power transmission, Thermal variables control 06576
- Electric power transmission, Transmission lines, Protection, Fiber optics 06143
- Electric power transmission, Transmission lines, Underwater technology, Norway 03304
- Electric power transmission, Underground cables, Insulators, Fault detection 01733
- Electric variables measurement, Thermal insulation, Stress, Polymers 04919
- Fiber optics, Communications 07753
- Fiber optics, Communications, Bandwidths, Materials testing 07762
- Fiber optics, Communications, Signal processing, Technology 06137
- Fiber optics, Design, Structural analysis, Thermal variables measurement 07751
- Fiber optics, Elasticity, Buckling, Adhesives, Failure 07696
- Fiber optics, Electromagnetics, Wave propagation 09360
- Fiber optics, Local area networks, Economics 06149
- Fiber optics, Materials testing, Mechanical strength, Submarines, Design 09328
- Fiber optics, Materials testing, Signal transmission, Fault detection 07710
- Fiber optics, Polarization, Birefringence 07770
- Fiber optics, Satellite communications, Data transmission, Speech transmission 01433
- Fiber optics, Strain, Compression testing 04565
- Fiber optics, Transmission, Underwater technology, Marine engineering 07761
- Fiber optics, Underwater technology, Reliability, Costs 09347
- Fiber optics, Underwater technology, State of the art 06148
- Fiber optics, Underwater technology, Tensile strength, Velocity, Vibration 02930
- Fiber optics, Well logging, Offshore structures 09340
- Flow of gases, Channels, Turbulence, Concrete, Simulation 08847
- Fusion, Fabrication, Fiber optics, Splicing 09384
- Hoop antennae, Radio frequency, Systems design, Reflectors 01660
- Induction motors, Pumps, Oil wells, Thermal insulation 05070
- Insulators, Current, Ampacity 06575
- Insulators, Transmission lines, Laminates, Paper 08205
- Irradiation, Wire, Technology, Radiation, Dosimetry 03430
- Magnets, Cryogenics, Superconductors, Fabrication 04183
- Materials testing, Mechanical strength, Manufacturing, Fiber optics 09330
- Motors, Current voltage, Protection, Capacitors, Impedance 08143

Cables, (continued)
- Polymers, Electric power transmission, Soil science, Systems design 02
- Polymers, Insulators, Combustion 07
- Polymers, Recycling, Industrial waste disposal, Process development 01
- Radiation, Dosimetry, Polymers, Materials testing, Magnetic fields 03
- Radiation, Dosimetry, Polymers, Technology, Insulators 03
- Radio waves, Telescopes, Switching, Frequency, Spectral analysis 09
- Relays, Voltage, Protection, Transmission lines 06
- Repair, Conductors, Transmission lines, Insulators 00
- Satellite communications, Underwater technology, Fiber optics, Broadcasting 09
- Sonar, Transducers, Specifications 04
- Stress, Voltage, Thermal variables measurement, Finite difference method 08
- Superconductors, Niobium, Alloys, Titanium, Tantalum 04
- Superconductors, Transmission lines, Power, Product development 06
- Telecommunications, Televisions, Economics, Pricing, Modeling 02
- Telecommunications, Testing, Statistical analysis 04
- Telemetry, Unmanned vehicles, Underwater technology 07
- Telephones, Conductors, Flames, Materials testing, Safety 09
- Telephones, Surface properties, Steel, Corrosion 07
- Telephones, Underwater technology, Technological forecasting 01
- Thermal insulation, Heat transfer, Loading, Electric power apparatus 00
- Transmission lines, Coupling, Impedance, Frequency 07
- Transmission lines, Insulators, Joints, Molding 00
- Transmission lines, Insulators, Product development, Polymers 01
- Transmission lines, Power systems, Cement industry 06
- Transmission lines, Voltage, Codes, Procedures 05
- Underwater technology, Mining, Signal transmission, Fiber optics 07
- Underwater technology, Semiconductors, Reliability, Research and development 07
- Vibration, Noise, Fiber optics 02
- Voltage, Power systems, Transformers 08

Cadmium,
- Cells, Charge, Frequency, Impedance 08
- Excitation, Lasers, Discharges, Pumping 05
- Nickel, Batteries, Discharges, Modeling 08
- Nickel, Batteries, Energy storage components, Design, Testing 06
- Nickel, Cells, Impedance, Degradation 06

Cadmium fluoride,
- Metal insulator semiconductors, Evaporation, Degradation, Electroluminescence 05

Cadmium manganese selenide,
- Alloys, Photoluminescence, Excitation, Semiconductors, Dissertation 02

Cadmium manganese telluride,
- Alloys, Photoluminescence, Excitation, Semiconductors, Dissertation 027
- Magnetooptics, Absorption spectra, Magnetic fields, Temperature 00
- Spectral analysis, Semiconductors, Energy bands, Phonons, Dissertation 027

Cadmium mercury sulfide,
- Thin films, Electrodes, Performance, Solar cells 025

Cadmium mercury telluride,
- Voltage, Recombination, Numerical analysis, Photoelectromagnetic effect 051

Cadmium selenide,
- Electrodes, Luminescence, Polarization, Spectral analysis 039
- Powder metallurgy, Solar cells, Spectral analysis, Current voltage 008
- Spraying, Dark conduction, Hall effect, Photoelectric effect, Televisions 073

Cadmium sulfide,
- Doping, Indium, Heterojunctions, Solar cells 025
- Heterojunctions, Chromium telluride, Photovoltaics 002
- Heterojunctions, Solar cells, Film growth, Evaporation, Dissertation 056
- Heterojunctions, Solar cells, Thin films, Optical analysis, CdS/CuInSe$_2$ 072
- Ion exchange, Cuprous sulfide, Solar cells 039
- Josephson junctions, Tunneling, Current voltage, Conductance, Illumination 041
- Photocapacitance, Thin films, Solar cells, Schottky barriers, CdS/CdTe 056
- Solar cells, Carbon, Electrodes, Impurities, CdS/CdTe 056
- Solar cells, Doping, Indium, Open circuit voltage, Short circuits 033
- Solar cells, Electrodes, Design, Fabrication 072
- Solar cells, Electroplating, Cuprous sulfide, Capacitance voltage 056
- Solar cells, Fabrication, Surface properties, CdS/Cu$_x$S 039
- Solar cells, Frequency, Capacitance, Space charge, CdS-Cu$_2$S 088
- Solar cells, Sintering, Photovoltaics 056
- Solar cells, Stability, CdS/CdTe 056
- Tellurium, Thin films, Diodes, Fabrication, Current voltage 059
- Thin films, Contacts, Fabrication, Solar cells, Cu$_2$S-CdS 039
- Thin films, Heterojunctions, Dark conduction, Thermal variables measurement 044
- Thin films, Transistors, Ytterbium oxide, Insulators 0595

Cadmium telluride,
- Photocapacitance, Thin films, Solar cells, Schottky barriers, CdS/CdTe 056
- Solar cells, Stability, CdS/CdTe 056
- Solar cells, Thin films, Film growth, Evaporation, Doping 066
- Thin films, Heterojunctions, Dark conduction, Thermal variables measurement 044

Calcium,
- Charge, Polarization, Fuel cells, Electrochemistry 001

Calculators,
- Monitoring, Multimeters, Microprocessors 019
- Simulation, Interactive systems, Time sharing systems, Structural analysis 0496

Calibration,
- Acoustic emissions, Transducers, Ultrasonics, Frequency, Standards 0749
- Acoustics, Optics, Receivers, Channels, Noise 0892
- Acoustics, Underwater technology, Transducers, Design 047
- Aerodynamics, Flight control systems, Energy storage components, Shock waves 004
- Aircraft, Weight measurement, Sensors, Magnetic variables control 0364
- Analog to digital converters, Automatic testing, Measurement errors 0883
- Anemometers, Electronic equipment, Computer aided analysis 0848
- Antennae, Fabrication, Impedance 0649
- Balancing, Baluns, Transformers, Computer aided control, Network analyzers 0435
- Balancing, Damping, Transmission lines, Electric power generation, Voltage 0187
- Black bodies, Radiation, Thermal variables measurement 0671
- Buoys, Oceanography, Wave propagation, Sensitivity 0226
- Capacitance, Junctions, Solar cells, Resistivity 0252

bration, (continued)
hemical lasers, Fabrication, Spectral analysis, Hydrogen fluoride ... 08378
omparators, Winding, Current, Cryogenics ... 09090
esign, Gauges, Acoustics, Velocity, Transducers ... 05112
igitizing, Telemetry, Image processing, Meteorology, Satellites, Infrared ... 03710
lectric power generation, Measurement, Voltage, Capacitors, Transformers ... 04933
lectroacoustics, Reliability, Audio systems, Dissertation ... 06859
lectromagnetics, Sensors, Ultrasonics, Vibration ... 00330
ar infrared, Pyroelectricity, Detectors, Power, Measurement ... 06737
lowmeters, Electromagnetics, Precision engineering ... 08498
lowmeters, Sensors, Performance, Cryogenics, Liquids ... 03548
ourier transforms, Spectrometers, Signal processing, Radiometry ... 08404
requency, Couplers ... 03233
requency, Measurement, Instrumentation, Attenuators ... 08035
requency, Measurement, Transducers, Force, Modal analysis ... 05835
uel cells, Solar energy ... 01820
Germanium, Thermal variables measurement, Thermometers ... 00247
Guidance and control systems, Navigation, Military aircraft, Capital investment ... 00488
Hydrophones, Pendulums, Acoustics, Frequency, Pressure ... 05849
Instrumentation, Gas chromatography, Atmospheric conditions ... 08492
Instrumentation, Maintenance, Automatic control, Personal computers ... 05033
Instrumentation, Nondestructive testing, Oscillators ... 08820
Instrumentation, Nuclear energy, Materials testing, Measurement errors ... 08507
Instrumentation, Oceanography, Remote sensing, Thermal variables measurement ... 03706
Instrumentation, Precision engineering, Automation ... 05032
Instrumentation, Solar collectors, Thermal variables measurement ... 03357
Instrumentation, Solar energy, Thermal variables measurement, Pyranometers ... 03366
Instrumentation, Thermal variables measurement, Solar collectors ... 01832
Instrumentation, Ultrasonic testing, Precision engineering ... 03521
Integrated circuits, Sensitivity, Range control, Photodiodes ... 02490
Lasers, Interferometry, Acoustics, Emissions ... 06861
Magnetic fields, Antennae, Radio waves, Receivers ... 08462
Magnetic variables measurement, Stress, Seismology, Instrumentation ... 06719
Marine technology, Navigation, Acoustics ... 09486
Measurement errors, Noise, Preamplifiers, Leak detection, Multipliers ... 00691
Meteorology, Radiation, Solar energy, Pyranometers ... 00580
Meteorology, Rain, Radar, Remote sensing ... 03724
Meteorology, Thermal variables measurement, Satellites, Remote sensing ... 03712
Metering, Electric fields, Power, Frequency ... 06809
Meters, Dielectrics, Current, Comparators ... 01932
Metrology, Electron beam metrology ... 01878
Metrology, Gauges, Reliability ... 08499
Microprocessors, Transmitters, Instrumentation, Maintenance, Economics ... 09312
Modeling, Precision engineering, Instrumentation, Thermal variables measurement ... 03418
Moisture measurement, Thermal variables measurement, Agriculture, Dissertation ... 00362
Navigation, Acoustics, Marine technology ... 09487
Neutrons, Converters, Thermal variables control, Nuclear reactors ... 06728
Nuclear reactors, Radiometry, Dosimetry ... 00744
Optics, Scanners, Data collection, Statistical analysis, Oceanography ... 05369
Ozone, Stratosphere, Mass spectrometry, Dissertation ... 05382
Pattern recognition, Gauges, Automatic testing, Hough transforms ... 04335
Precision engineering, Electric power apparatus, Current voltage, Error ... 08220
Precision engineering, Measurement Instrumentation, Frequency measurement, NBS ... 06781
Probes, Remote sensing, Marine technology ... 08679
Proximity effect, Electron beams, Lithography, Microscopy ... 08918
Radiation, Dosimetry, Laboratory testing, Monitoring, Instrumentation ... 05585
Radiometry, Mapping ... 08661
Radiometry, Solar energy, Measurement, Dissertation ... 06732
Reflectometry, Time measurement, Striplines, Dielectrics ... 01100
Reflector antennae, Radar ... 04724
Remote sensing, Color, Satellites ... 03695
Remote sensing, Mapping, Image processing, Thematic mapping ... 07032
Robots, Vision, Image processing, Cameras, Lasers ... 07431
Rotors, Winding, Flow of gases, Modeling, Thermal variables measurement ... 08134
Scanners, Failure, Thermal variables control ... 05688
Schottky diodes, Detectors, Microwaves, Networks ... 06069
Sensors, Fiber optics ... 05597
Sensors, Instrumentation, Inspection, Accelerometers, Research and development ... 06864
Sensors, Remote sensing, Water color, Radiation, Simulation ... 07053
Sensors, Thermal variables measurement, Flux ... 03413
Sensors, Weighting, Computer aided control ... 01998
Signal processing, Microwave devices, Field effect transistors, Measurement ... 07584
Simulation, Launching facilities, Spacecraft ... 03643
Solar collectors, Heating systems ... 03364
Striplines, Superconductors, Current ... 04133
Telemetry, Large scale integration, Microprocessors, Instrumentation ... 04589
Thermal variables measurement, Automatic testing ... 00249
Threshold, Transducers, Signals ... 04330
Time measurement, Transducers, Flowmeters, Pressure ... 02669
Transducers, Monitoring, Nuclear reactors, Strain measurement ... 08324
Transducers, Ultrasonics, Coding, Simulation, Nondestructive testing ... 03511
Transistors, Thermal variables measurement, Acoustic variables measurement ... 05521
Transmission lines, Junctions, Reflectometers, Microwave radiation, Automation ... 01647
Vibration, Transducers, Antennae, Electrostatics ... 09148
Voltage, Frequency, Power, Field effect transistors ... 01200
Voltage, Radio frequency, Breakdown, Vacuum technology, Accelerators ... 00053
Waveguides, Frequency, Horn antennae ... 01059
Waveguides, Millimeter waves, Networks, Scattering ... 08029
alifornium,
Deuterium oxide, Calibration, Dosimetry ... 00380
alorimeters,
Circuitry, Voltage, Electric variables control ... 08418
Pressure, Thermal variables measurement, Computer aided analysis ... 03416
alorimetry,
Electric fields, Thermal variables measurement, Materials testing ... 00315
Inspection, Quality control, Components, Silicone ... 03415

Calorimetry, (continued)
Thermal variables control, Electromagnetic waves, Power, Measurement ... 06776
Thermodynamics, Monitoring, Fermentation, Saccharomyces cerevisiae ... 06711
Thin films, Fabrication, Microwaves, Barretters ... 04540
Transducers, Stability, Wattmeters ... 09160
Cameras,
Arc welding, Monitoring, Image processing, Optics ... 08955
Assembling, Precision engineering, Production control, Automation ... 00762
Audio visual systems, Computer aided control ... 02325
Business statistics, Micrographics, Printers ... 01378
Camera tubes, Electron guns, Diodes, Voltage, Current density ... 08870
Collimators, Configurations, Diffraction gratings, Spectrometers ... 00307
Color, Signal processing, Lenses, Diodes, Circuitry ... 02917
Color, Televisions, Frequency, Quality control, Integrated circuits ... 02951
Computed tomography, Image processing, Computer aided analysis, Neural system ... 00521
Computed tomography, Technology, Radiation dosimetry, Imaging ... 02132
Computer aided control, Robots, Automation, Technology ... 03977
Fasteners, Robots, Aircraft engineering, Wings, Charge coupled devices ... 05244
Gallium arsenide, Electrooptics, Switches, Voltage ... 03970
Geodesy, Cartography, Mapping, Coordinate systems, Astronomy ... 02194
Holography, Quality control, Production, Technology, Research and development ... 04034
Image processing, Color, X-rays, Displays ... 03453
Image processing, Computed tomography, Operators, Attenuation, Modeling ... 03667
Image processing, Electronic equipment, Mapping, Productivity, Automation ... 02546
Image processing, Flow, Robots, Sensitivity analysis, Kinematics ... 05713
Image processing, Performance, Testing ... 06153
Mechanical handling, Robots, Conveyors, Sensors, Vision ... 02034
Microcomputers, Photography, Optics, Films, Digitizing ... 01333
Microprocessors, Image processing, Televisions, Security, Interactive systems ... 03565
Optical storage, Magnetic variables control, Thermal variables control ... 08925
Optics, Computer aided control, Microcomputers, Automation, Photography ... 02577
Optics, Meteorology, Instrumentation, Testing ... 08697
Optics, Telescopes, Testing, Computer programs, Data collection ... 06954
Photogrammetry, Image processing, Distortion, Displays, Computer programs ... 05583
Radiography, Image processing, Tracking, Computer graphics, Displays ... 03669
Radios, Antennae, Remote sensing, Image processing, Adaptive control ... 02906
Recording systems, Visible range, Image processing, Charge coupled devices ... 07651
Robots, Vision, Image processing, Lasers, Calibration ... 07431
Scintillation, Imaging, Resolution, Simulation ... 05300
Signals, Photomultipliers, Encoding, Anger camera ... 06891
Televisions, Color, Signal processing, Frequency, Research and development ... 02971
Televisions, Image processing, Pyroelectricity, Lasers ... 07314
Topography, Mapping, Image processing, Remote sensing, Satellite communications ... 02220
Video systems, Color, Integrated circuits, Frequency ... 02486
Video systems, Recording systems, Circuitry ... 02918
Canada,
Image processing, Geology, Computer aided analysis, Resource management ... 02201
Remote sensing, Land resources, Resource management, Monitoring ... 00544
Telecommunications, Research and development, Technology, Economics, History ... 06103
Cancer,
Computer applications, Hyperthermia, Biology, Tissues ... 05340
Hyperthermia, Biomedical engineering, Temperature, Feasibility studies ... 06999
Medical electronics, Radiology, Thermal variables control ... 00529
Microwaves, Tumors, Dose response effects, Hyperthermia ... 05305
Tumors, Ultrasonics, Computed tomography, Hepatocellular carcinoma ... 08632
Capacitance,
Accelerometers, Design, Fabrication, Silicon ... 05130
Bridges, Circuitry, Frequency, Shunt reactor loss ... 08252
Carrier mobility, Electrical resistivity, Channels, Integrated circuits ... 04410
Channels, Thickness measurement, Insulators, Logic circuits ... 01180
Charge carriers, Graphite, Electrochemistry ... 03553
Circuit breakers, Standards, Testing, Voltage ... 00107
Circuitry, Switching, Amplifiers, Numerical analysis ... 00661
Cobalt, Electrodes, Acetate, Concentration ... 07251
Comparators, Analog to digital converters, Circuitry ... 03373
Comparators, Current, Calibration ... 01932
Conductors, Transmission lines, Impedance ... 03465
Coupling, Cables, Circuitry, Crosstalk, Digital systems ... 07472
Current, Voltage, Modeling, Tunneling, Solar cells ... 07275
Data collection, Electrodes, Current, Decay, Electrical double layer ... 00370
Dielectrics, Transmission lines, Coaxial cables ... 04303
Electric variables measurement, Thermal variables measurement, Solids ... 08490
Electrodes, Electrodeposition, Charge density, Surface properties ... 00175
Electrostatics, Sensors, Electric variables measurement, Instrumentation, Force ... 06792
Energy bands, Excitation, Illumination, Metal oxide semiconductors ... 01153
Excitation, Voltage, Transmission lines, Capacitors ... 00089
Field effect transistors, Metal oxide semiconductors, Channels ... 02753
Filters, Switching, Metal oxide semiconductors, Communication networks ... 02354
Frequency, MOSFET, Transistors, Design ... 07613
Frequency, Resistance, Metal oxide semiconductors, Voltage, Distributed systems ... 03822
Frequency, Space charge, Solar cells, CdS-Cu_2S ... 08877
Gallium arsenide, Logic circuits, Large scale integration ... 04508
Impedance, Frequency, Resonance, Electrical variables measurement, Dissertation ... 05080
Integrated circuits, Amplifiers, Performance ... 08798
Integrated circuits, Logic circuits, Josephson junctions, Fabrication ... 05988
Junctions, Current voltage, Loops, Modeling ... 05903
Junctions, Solar cells, Calibration, Resistivity ... 02521
Light emitting diodes, Relaxation, Pn junctions, GaP:Zn:O ... 07302
Mercury, Electrodes, Impedance, Frequency ... 03472
Metal oxide semiconductors, Computer aided control, Silicon, Buses ... 00732
Metal oxide semiconductors, Transistors ... 09247
Metal oxide semiconductors, Transistors, Doping, Current ... 01237
Metal oxide semiconductors, Voltage, Computer programs, Simulation, Algorithms ... 01220
MISFET, Transistors, Gates, Charge, Voltage ... 07597
Modeling, Metal oxide semiconductors, Transistors ... 01188
MODFET, Integrated circuits, Bias, Transconductance, Scattering ... 07609

Capacitance, (continued)
Nickel, Electrodes, Coatings, Charge, Thermal variables measurement ... 08308
Noise, Preamplifiers, Sensors, Pyroelectricity ... 02634
Particle detectors, Signals, Crosstalk, Impedance ... 06890
Pn junctions, Filters, Diodes, Switches ... 02691
Radio frequency, Current voltage, Superconductivity, Sensitivity ... 04122
Recording systems, Videodisks, Electrodes, Signal processing, Audio systems ... 02600
Resistance, Filters, Networks ... 08764
Resonators, Microstrips, Spectral analysis ... 09124
Semiconductors, Diodes, Lattices, Crystal defects ... 09187
Service life, Semiconductors, Voltage, Decay, Charge carriers ... 02688
Silicon, Transistors, Contacts, Transconductance, Voltage ... 09203
Simulation, Algorithms, Processors, Topology, Integrated circuits ... 02816
Solenoids, Integrated circuits, Superconductors, Thin films ... 04109
Spectral analysis, Schottky diodes, Solar cells ... 02515
SQUID, Optimization, Noise, Josephson junctions, Computer aided analysis ... 05798
Surface acoustic waves, Schottky diodes, Storage, Circuitry, Voltage ... 09196
Switching, Circuitry, Arrays, Analog to digital conversion ... 08853
Switching, Current voltage, Circuit breakers ... 01742
Thermal variables measurement, Heterojunctions, Pn junctions ... 03354
Thermometers, Capacitance, Silicon, Germanium ... 00252
Transconductance, Carrier mobility, Metal oxide semiconductors ... 01234
Transducers, Piezometers, Pressure, Volume measurement, Liquids ... 07514
Transmission lines, Coupling, Mapping ... 07479
Transmission lines, Impedance, Microstrips, Numerical analysis ... 09102
Tuning, Silicon, Varactors, Fabrication ... 08852
Vapor phase epitaxy, Spectroscopy, Indium phosphide, Metal oxide semiconductors ... 01134
Varactors, Oscillators, Radio frequency, Bandwidths ... 03856
Videotex, Modems, Integrated circuits, Switching, Personal computers ... 02915
Voltage, Pulses, Harmonics, Switching ... 04899
Zinc oxide, Varistors, Grain boundaries, Sintering ... 07245
Capacitance voltage,
Aluminum gallium arsenide, Metal insulator semiconductors, Capacitors ... 08855
Cadmium sulfide, Solar cells, Electroplating, Cuprous sulfide ... 05657
Circuitry, Commutation, Rings, Loading, Failure ... 08856
Conductance, Capacitors, Thermal variables measurement, Si-SiO$_2$ ... 01196
Electric fields, Tunneling, Junctions, Temperature ... 02725
Field effect, Fuel cells, Fluidics, Band gaps, Dissertation ... 01923
Indium antimonide, Metal oxide semiconductors, Interfaces ... 05950
Indium phosphide, MISFET, Transistors, Fabrication ... 09243
Indium phosphide, MISFET, Tunneling, Injection ... 05949
Interfaces, Heterojunctions, Charge density, Spectroscopy ... 03464
Lasers, Aluminum gallium arsenide, Frequency, Electrical conductivity ... 08979
Mercury cadmium telluride, Metal oxide semiconductors, Recombination ... 05897
Metal insulator semiconductors, Carbon, Silicon, Sputtering ... 09185
Metal insulator semiconductors, Frequency, Density, Interface states ... 04402
Metal insulator semiconductors, Transistors, Tunneling, Fabrication ... 01173
Metal oxide semiconductors, Dielectricity, Ion implantation, Silicon, Oxides ... 05960
Metal oxide semiconductors, Transistors, Varactors, Pn junctions ... 02748
Metals, Contacts, Polyacetylene, Photovoltaics ... 05147
MISFET, Indium phosphide, Aluminum oxide, Insulators, Carrier mobility ... 05567
Schottky diodes, Annealing, Mo/GaAsP ... 01143
Schottky diodes, Germanium, Silicon, Junctions ... 02712
Signal processing, Striplines, Mixers, Diodes ... 06456
Silver selenide, Diodes, Barrier heights, Film growth, Evaporation ... 04386
Superlattices, Capacitors, Fabrication, Heterojunctions, Interfaces ... 05577
Thin films, Metal insulator semiconductors, Capacitors, Al/Al$_2$O$_3$/Te ... 05575
Capacitors,
Acoustic emissions, Stress, Service life ... 05124
Aluminum, Electrochemistry, Dielectricity, Current voltage, Leakage current ... 04359
Amplifiers, Charge transfer, Error, Switched capacitors ... 03896
Amplifiers, Filters, Frequency, Switching ... 07191
Amplifiers, Filters, Reliability ... 02357
Amplifiers, Frequency, Bandpass filters ... 00659
Analog to digital converters, Integrated circuits, Metal oxide semiconductors ... 09280
Analog to digital converters, Switching, Voltage, Signal processing, Amplifiers ... 03879
Barium titanate, Crack propagation, Printed circuit boards, Integrated circuits ... 02480
Ceramics, Failure, Voltage, Integrated circuits ... 05578
Ceramics, Optimization, Costs, Microelectronics ... 05574
Ceramics, Voltage, Dielectrics, Standards ... 03898
Charge, Fusion, Research and development, Computer aided analysis ... 08210
Charge, Simulation, Switched capacitors ... 05572
Circuitry, Design, Bipolar devices, Random access memory, Fabrication ... 09284
Circuitry, Inverters, Oscillation, Modeling ... 05484
Circuitry, Networks, Filters, Resistors, Inductors ... 08797
Circuitry, Networks, Resistors, Inductors ... 02415
Circuitry, Networks, Switched capacitors ... 08769
Circuitry, Switching, Algorithms, Computer aided analysis ... 00664
Circuitry, Switching, Filters, Design, Signal processing ... 05486
Circuitry, Switching, Noise, Sensitivity analysis, Computer aided analysis ... 05571
Communication networks, Education, Switching, Filters, Simulation ... 02352
Communication networks, Switching, Topology, Matrices, Programming languages ... 08792
Communication networks, Switching, Topology, Software development, Dissertation ... 05580
Converters, Design, Optimization, Power ... 06600
Cost benefit analysis, Voltage, Switches, Energy conservation ... 00097
Current voltage, Oscillation, Turbogenerators, Resonance, Dissertation ... 01707
Current voltage, Waveforms, Rectifiers, Power systems ... 04938
Dielectric permittivity, Materials planning and control, Castor oil ... 01106
Diodes, Modeling, Decomposition, Nonlinear circuit theory ... 07156
Discharges, Electrooptics, Emissions, Films ... 03887
Electric power distribution, Allocation, Linear programming, Decomposition ... 06690
Electric power distribution, Automation, Computer aided control, Optimization ... 01732
Electric power generation, Control systems, Technology, Economics ... 05025
Electric power generation, Measurement, Voltage, Transformers, Calibration ... 04933
Electric power generation, Power systems, Current, Harmonics, Voltage ... 08258
Electrodes, Microwaves, Heat treatment, Biomedical engineering ... 06464
Capacitors, (continued)
Erbium fluoride, Thin films, Film growth, Electrical conductivity, Temperature ... 0
Fault detection, Hydroelectric power generation, Inspection, Standards ... 0
Feeders, Power supply, Performance ... 0
Filtering, Metal oxide semiconductors, Communication networks, Noise ... 05
Filtering, Topology, Metal oxide semiconductors, Amplifiers, Circuitry ... 05
Filters, Amplifiers, Recursion, Design, Numerical analysis ... 05
Filters, Circuitry, Microelectronics ... 07
Filters, Integrated circuits, Switching, Performance, Charge transfer ... 02
Filters, Oscillators, Communication networks, Transfer functions, Dissertation ... 06
Filters, Switches, Inductance, Voltage, Inverters ... 07
Filters, Switching, Integrated circuits, Metal oxide semiconductors ... 00
Filters, Switching, Simulation, Transformations, Circuitry ... 08
Filters, Time measurement, Frequency, Switched capacitors ... 05
Filters, Transconductors, Current voltage ... 05
Frequency, Converters, Circuitry, Thermal variables measurement ... 07
Gain, Bandwidths ... 03
Heat transfer, Switches, Thyristors ... 02
Inductance, Semiconductors, Current voltage, Integrated circuits ... 02
Induction generators, Excitation, Performance, Circuitry ... 08
Inductors, Transistors, Switches, Inverters, Amplifiers ... 07
Information science, Research and development ... 00
Integrated circuits, Junctions, Simulation, Computer programs ... 02
Inverters, Asynchronous machines, Inductance ... 00
Inverters, Photovoltaics, Systems design, Voltage, Harmonics ... 01
Magnesium oxide, Thin films, Dielectricity, Breakdown ... 03
Magnetic fields, Current, Oscillation, Metals ... 05
Metal insulator semiconductors, Aluminum gallium arsenide, Current voltage ... 08
Metal insulator semiconductors, Borazone, Diamond, Dielectric constants ... 04
Metal insulator semiconductors, Thin films, Capacitance voltage ... 05
Metal oxide semiconductors, Charge carriers, Tunneling, Space charge ... 02
Metal oxide semiconductors, Conductance, Capacitance voltage ... 01
Metal oxide semiconductors, Current voltage, Insulators ... 00
Metal oxide semiconductors, Electron beams, Surface properties, Irradiation ... 00
Metal oxide semiconductors, Noise, Modulation, Carrier mobility, Oscillation ... 03
Metal oxide semiconductors, Recombination, Lifetimes, Temperature ... 05
Metal oxide semiconductors, Service life, Materials planning and control ... 02
Metal oxide semiconductors, Service life, Voltage ... 00
Metal oxide semiconductors, Stress, Conductance, Oxidation ... 00
Metal oxide semiconductors, Voltage, Gamma radiation, Trapping ... 05
Motors, Current voltage, Protection, Cables, Impedance ... 08
Motors, Switching, Protection, Insulators, Winding ... 08
Networks, Circuitry, Parameter estimation ... 08
Networks, Switching, Simulation, Functions, Frequency ... 05
Oscillators, Switching, Communications, Signal processing ... 08
Perfluorocarbon, Films, Service life, Reliability ... 03
Phase shifts, Velocity, Voltage, Impedance, Circuitry ... 07
Polysilicon, Gates, Leakage current, Current voltage ... 06
Polyvinylidene fluoride, Dielectrics, Discharges, Lifetimes ... 03
Powder metallurgy, Electrolysis, Current ... 03
Power plants, Electric power distribution, Optimization ... 08
Power systems, Electric variables control, Optimization, Linear programming ... 06
Power systems, Optimization, Voltage, Transformers, Induction motors ... 08
Propulsion, Aircraft engineering, Solar energy, Circuitry, Simulation ... 04
Quartz, Performance ... 085
Relaxation, Modeling, Circuitry, Dielectricity ... 011
Stability, Thermal variables control ... 059
Superlattices, Fabrication, Heterojunctions, Interfaces, Capacitance voltage ... 055
Switches, Inverters, Power supply, Current voltage ... 066
Switches, Metal oxide semiconductors, Digital systems, Oscillators ... 072
Switching, Circuitry, Filters, Research and development ... 087
Switching, Circuitry, Waveforms, Input output, Difference equations ... 054
Switching, Design, Filters, Sensitivity, Monte Carlo method ... 071
Switching, Filters, Design ... 071
Switching, Filters, Design, Theoretical analysis ... 071
Switching, Filters, Frequency, Design, Pulse code modulation ... 054
Switching, Filters, Gain, Amplifiers ... 024
Switching, Impedance, Filters ... 072
Switching, Integrated circuits, Modulators, Metal oxide semiconductors ... 095
Switching, Integrators, Voltage, Buffers ... 071
Switching, Voltage, Circuit breakers ... 000
Switching, Voltage, Logic circuits, Simulation ... 072
Switching, Voltage, Numerical analysis ... 006
Tantalum, Aluminum, Thin films, Nitrogen, Doping ... 039
Thin films, Voltage, Testing, Service life ... 024
Transmission lines, Capacitance, Excitation, Voltage ... 000
Transmission lines, Dissipation, Optimization, Switching, Voltage ... 017
Turbines, Induction motors, Energy conversion, Wind energy, Thyristors ... 017
Voltage, Electric power generation, Protection ... 081
Voltage, Generators, Charge, Switching ... 067
Voltage, Motors ... 081
Voltage, Networks, Power systems, Transformers ... 075
Voltage, Reliability, Failure, Computer programs, Simulation ... 048
Voltage, Transformers, Reactors, Triacs, Converters ... 082
Capital investment,
Business forecasting, Fiber optics, Japan ... 0084
Business forecasting, Lasers, Technological forecasting ... 0091
Buying and selling, Military aircraft, Navigation, Guidance and control systems ... 0048
Data processing centers, Electric power distribution, Downtime, Power failure ... 0541
Marine engineering, Telemetry, Business forecasting, Satellites ... 0297
Modeling, Electric power generation, Kenya, Dissertation ... 0023
Position control, Navigation, Technological forecasting ... 0309
Robots, Flexible manufacturing systems, Aerospace engineering ... 0856
Satellites, Marine engineering, Telemetry ... 0297
Technological forecasting, Automotive engineering, Computer aided design ... 0061
Technology transfer, Telecommunications, Data transmission, Asia, Dissertation ... 0288

pital investment, (continued)
- Telecommunications, Electronic equipment, Quality control, Finance, Technology ... 06091
- Utilities, Solar power generation, Photovoltaics ... 03368

rbon,
- Additives, Lead, Batteries, Energy storage components, Voltage ... 06657
- Composite materials, Copper, Electrodes, Semiconductors ... 05937
- Electrodes, Impurities, Solar cells, CdS/CdTe ... 05622
- Fibers, Graphitization, Electrical conductivity, Mechanical strength ... 06579
- ntercalation compounds, Copper chloride, Electrical resistivity, Temperature ... 05563
- Probes, Plasmas, Tokamaks ... 06633
- Silicon, Solar cells, Point defects, Pn junctions ... 08338
- Sputtering, Metal insulator semiconductors, Capacitance voltage, Conductance ... 09185
- Thin films, Strain, Crystal structure, Raman scattering ... 06882

rbon dioxide,
- Absorption, Discharges, Electric variables measurement, Electrochemistry ... 01801
- Amplifiers, Gas lasers, Electrons, Spectral analysis ... 00926
- Discharges, Electron density, Cavities, Gas lasers ... 00977
- Far infrared, Gas lasers, Pumping, Numerical analysis ... 07355
- Gas lasers, Additives, Power supply ... 00969
- Gas lasers, Amplifiers, Gain, Spectral analysis ... 00974
- Gas lasers, Discharges, Excitation, Gain ... 07359
- Gas lasers, Excitation, Acetophenone, Molecules, Luminescence ... 08506
- Gas lasers, Excitation, Microwaves, Pumping ... 09012
- Gas lasers, Excitation, Pressure, Discharges, Gain ... 07396
- Gas lasers, Fusion ... 09013
- Gas lasers, Injection, Electric variables control, Mathematical models ... 07391
- Gas lasers, Isotopes, Separators ... 07397
- Gas lasers, Lidar, Aerosols, Spectral analysis ... 09516
- Gas lasers, Mode selectors, Frequency, Tuning ... 07395
- Gas lasers, Optimization, Corona discharges, Ionization ... 07402
- Gas lasers, Optimization, Ultraviolet, Ionization ... 00975
- Gas lasers, Oscillators, Mode locking, Pulse generation ... 07400
- Gas lasers, Pulse generation, Oscillators, Amplifiers ... 00982
- Gas lasers, Resonators, Oscillation, Modes, Refractive indices ... 07399
- Gas lasers, Thermal variables measurement, Depth measurement, Damage ... 01000
- Gas lasers, Waveguides, Design, France ... 01056
- Gas lasers, Waveguides, Excitation, Radio frequency ... 07392
- Lasers, Flow of gases, Probes, Measurement, Thermodynamics ... 05749
- Lasers, Flow, Pulses, Research and development ... 05767
- Lasers, Measurement, Instrumentation, Research and development ... 05781
- Lasers, Reliability, Production, Technology ... 05769
- Lasers, Research and development, Reliability, Design ... 05747
- Optics, Lasers, Thermodynamics, Gallium arsenide, Density ... 05772
- Sensors, Geothermal energy, Fluid mechanics ... 00368
- Solar energy, Photochemicals, Chemical variables control, Energy recovery ... 04999
- Waveguides, Gas lasers, Design, Pumping ... 05773

rbon monoxide,
- Additives, Gas lasers, Optimization ... 07401
- Gas lasers, Pumping, Pulse generation, Electron beams, Excitation ... 07394
- Photons, Pumping, Gas lasers, Absorption ... 04032
- Sensors, Electrical conductivity, Single crystals, Zinc oxide ... 03545
- Sensors, Tin dioxide, Sintering, Annealing ... 08494

arbon tetrafluoride,
- Gas lasers, Isotopes, Separators ... 07397
- Lasers, Pumping, Power, Oscillators ... 07409

ardiovascular system,
- Acoustics, Measurement, Medical electronics, Dissertation ... 06857
- Biomedical engineering, Image processing, Myocardial extracellular space ... 03675
- Biomedical engineering, Imaging, Ultrasonics, Ventricular volume ... 05296
- Biomedical engineering, Instrumentation, Data processing ... 08630
- Biomedical engineering, Modeling, Sensitivity ... 03678
- Carrier waves, Doppler shift, Spectral analysis, Waveforms ... 02153
- Health care, Video systems, Technology, Risk assessment ... 05311
- Image processing, Scintillation, Hematology, Nuclear medicine ... 00527
- Image processing, Ultrasonics, Modeling, Smoothing, Dissertation ... 05306
- Loading, Modeling, Biomedical engineering, Dissertation ... 02149
- Medical electronics, Data processing ... 07010
- Medical electronics, Image processing, Pattern recognition ... 05312
- Medical electronics, Image processing, X-rays, Digital subtraction angiography ... 05313
- Medical engineering, Monitoring, Image processing, Synchronization ... 03674
- Metering, Biomedical engineering ... 02151
- Monitoring, Automation, Microcomputers, Transmembrane action potentials ... 03677
- Monitoring, Biomedical engineering, Electrocardiograms ... 02150
- Monitoring, Biomedical engineering, Technology ... 07004
- Monitoring, Personal computers, Cardiac pacemakers ... 03676
- Pacemakers, Batteries, Energy sources, Biomedical engineering ... 07006
- Pacemakers, Biomedical engineering ... 07005
- Pacemakers, Biomedical engineering, Telecommunications ... 07007
- Pacemakers, Biomedical engineering, Telecommunications ... 07008
- Radioisotopes, Technetium, Nuclear medicine, Computer applications ... 02148
- Signal processing, Waveforms, Biomedical engineering, Orthogonality, Simulation ... 05307
- Simulation, Medical electronics, Signal processing ... 03673
- Simulation, Monitoring, Fetal heart rate ... 00519
- Ultrasonics, Microwaves, Flow rates ... 02152

Carrier concentration,
- HEMT, Transistors, Voltage, Doping, Temperature ... 07562
- Photodiodes, Tunneling, Dark conduction, Mercury cadmium telluride ... 07260
- Pn junctions, Heterojunctions, Current voltage, Space charge ... 07570
- Semiconductor lasers, Injection, Lasers, Power, Index guides ... 07386
- Semiconductor lasers, Light, Current, Index guides ... 07387
- Transition metals, Oxidation, Thermogravimetry, Electron paramagnetic resonance ... 06880

Carrier density,
- Conductance, Gallium arsenide, Diodes, Noise ... 09192
- Gallium arsenide, Ion implantation, Annealing, Hall effect, Integrated circuits ... 09294
- Hall effect, Carrier mobility, Computer aided analysis, Semiconductors ... 08421
- Hall effect, Voltage, Thermal variables measurement, Heat treatment ... 08417

Carrier density, (continued)
- Metal oxide semiconductors, Solar cells, Thermal variables measurement ... 05651
- Polysilicon, Carrier mobility, Doping, Grain boundaries, Barrier heights ... 09079
- Pressure, Electric fields, Pn junctions, Bipolar transistors, Transducers ... 01070
- Refractive indices, Semiconductor lasers, Aluminum gallium arsenide ... 04023
- Semiconductor lasers, Amplifiers, Refractive indices, Stability ... 00958

Carrier mobility,
- Admittance, Electromagnetic waves, Noise, Transistors ... 01174
- Bipolar transistors, Silicon, Doping, Numerical analysis ... 02696
- Capacitance, Transconductance, Metal oxide semiconductors ... 01234
- Crystal growth, Insulators, Metal oxide semiconductors, Dissertation ... 02473
- Drain, Metal oxide semiconductors, Field effect transistors ... 01927
- Electrical resistance, Interfaces, Semiconductors ... 01925
- Electrical resistivity, Channels, Integrated circuits ... 04410
- Electrons, Channels, Metal oxide semiconductors, Field effect transistors ... 02738
- Electrons, Heterostructures, Dissertation, AlGa/Al$_x$Ga$_{1-x}$As ... 01160
- Energy bands, Materials planning and control, Field effect transistors ... 02834
- Field effect transistors, Metal oxide semiconductors, Logic circuits, Channels ... 02772
- Gallium arsenide, Doping, Silicon, Electrons, Concentration ... 02720
- Hall effect, Carrier density, Computer aided analysis, Semiconductors ... 08421
- Indium phosphide, Doping, Photoconductivity, Electric fields, Recombination ... 03923
- Indium phosphide, Schottky diodes, Photoelectric effect, Electron density ... 07555
- Interfaces, Semiconductors, Field effect transistors, Transconductance ... 04431
- MESFET, Gallium arsenide, Ion implantation, Transconductance ... 09253
- Metal oxide semiconductors, Field effect transistors, Voltage, Channels ... 02741
- MISFET, Indium phosphide, Aluminum oxide, Insulators, Capacitance voltage ... 05567
- Modulation, Noise, Capacitors, Metal oxide semiconductors, Oscillation ... 03895
- MOSFET, Transistors, Noise, Voltage ... 07610
- Nickel, Spectroscopy, Electric fields, Pn junctions, Defects ... 02699
- Noise, Field effect transistors, Metal oxide semiconductors ... 01191
- Polysilicon, Carrier density, Doping, Grain boundaries, Barrier heights ... 09079
- Scattering, Surface properties, Field effect transistors ... 02743
- Silicon, Interfaces, Silicon dioxide, Thermal variables measurement, Trapping ... 04401
- Silicon, Thin films, MOSFET, Current voltage, Modeling ... 07580
- Solar cells, Metal insulator semiconductors, Transistors ... 02509
- Structural analysis, Conductivity, Semiconductors, Electric fields ... 01127
- Transistors, Noise, Logic circuits ... 01172
- Transition metals, Oxidation, Thermogravimetry, Electron paramagnetic resonance ... 06880

Carrier waves,
- Cardiovascular system, Doppler shift, Spectral analysis, Waveforms, Ultrasonics ... 02153
- Fabrication, Heterostructures, Semiconductor lasers ... 00962
- Optics, Heterostructure lasers, Thermal variables measurement ... 00941
- Radar, Missiles, Tracking, Guidance and control systems ... 01532
- Thresholds, Diodes, Heterostructure lasers ... 00960
- Wave propagation, Gain, Oscillators, IMPATT diodes ... 01135
- Waveguides, Lasers, Beam propagation ... 00940

Carriers,
- Carrier capacity, Fabrication, Electrodes, Power supply, Fuel cells ... 00189
- Carrier concentration, Ceramics, Materials planning and control ... 04509
- Carrier concentration, Gallium arsenide, Pn junctions, Breakdown voltage ... 04371
- Drift, Solar cells, Junctions, Space charge, Voltage ... 02514
- Signals, Modulation, Costas loops ... 01330

Cartography,
- Artificial intelligence, Image processing, Pattern recognition ... 02565
- Automation, Image processing, Data collection, Modules ... 02238
- Computer graphics, Image processing, Computer aided design ... 08653
- Geodesy, Mapping, Cameras, Coordinate systems, Astronomy ... 02194
- Geology, Mapping, Data bases, Raster displays, Data collection ... 02195
- Identification, Pattern recognition, Automation, Raster displays ... 02249
- Image processing, Remote sensing ... 08652
- Image processing, Scanning, Spectral analysis, Mapping, Economics ... 02215
- Landsat, Remote sensing, Pennsylvania ... 02168
- Mapping, Agriculture, Remote sensing ... 05355
- Mapping, Computer graphics, Interactive systems, Italy, Telephone company ... 02260
- Mapping, Image processing, Noise ... 05349
- Mapping, Image processing, Scanning, Topology, Color ... 02188
- Mapping, Plotting, Computer aided analysis, Resource management ... 02250
- Military engineering, Computer programs, Tracking, Computer graphics, Displays ... 02189
- Military engineering, Weapons, Tracking, Terrain analysis, Data bases ... 02219
- Optical character recognition, Automation, Performance, Structural analysis ... 00550
- Photography, Mapping, Distortion, Photogrammetry, Image processing ... 05347
- Remote sensing, Image processing, Raster displays, Microprocessors ... 02202
- Remote sensing, Resource management, LANDSAT, Forest management ... 02175
- Space technology, Mapping, Planning, Data collection ... 02228
- Topology, Raster displays, Data structure, Research and development ... 03688
- Uncertainty, Design, Geography, Probability, Modeling ... 02229

Cathode ray tubes,
- Color, Televisions, Lenses, Computer aided design, Electrodes ... 02954
- Displays, Ergonomics, Liquid crystals, Military engineering, Terminals ... 08891
- Displays, Gases, Circuitry, Televisions, Color ... 08899
- Displays, Resolution, Yttrium aluminum garnet, Luminescence ... 00736
- Displays, Video systems, Technological forecasting, Product development ... 07254
- Electrons, Phosphorescence, Displays ... 03908
- Ergonomics, Fatigue, Work study ... 03680
- Formatting, Modeling, Design, Grammars, Dissertation ... 05421
- Information systems, Displays, Power plants ... 03318
- Microcomputers, Sensors, Probes, Reliability, Light pens ... 03955
- Military aircraft, Displays, Imaging, Illumination ... 06952
- Picture tubes, Image processing, Three dimensionality, Televisions, Optics ... 02969
- Raster displays, Image processing, Resolution, Quality control ... 03962
- Telephones, Terminals, Displays, Research and development ... 06251
- Televisions, Electron beams, Focusing ... 02483
- Terminals, Displays, Telecommunications ... 06242
- Testing, Electron beams, Targeting, Output, Automation ... 02485
- Workstations, Displays, Performance, Technology ... 08861

Cathodes,
Design, Osmium, Coatings, Emissions 08858
Discharges, Iron, Argon 08857
Emissions, Electrical conductivity, Semiconductors, Oxygen 05582
Fuel cells, Electrical conductivity, Carbonate, Zinc oxide, Lithium ferrate 08320
Hollow cathodes, Discharges, Radiation, Polarization 05811
Magnetic fields, Current, Glow discharge, Electrons 06842
Nickel, Alloys, Surface structure, Scanning electron microscopy 03905
Polymers, Lithium, Primary cells 08299
Scandium oxide, Doping, Current density, Surface properties 07250
Zirconium, Erosion, Plasmotrons, Thermionic emissions 07459
Cavitation,
Bubbles, Flowmeters, Acoustic testing, Flow of gases 00363
Cavities,
Gas lasers, Electron density, Discharges, Carbon dioxide 00977
Microwaves, Electron beams, Waveguides, Cross sectional measurement 00042
Numerical analysis, Electron beams, Microwaves, Gyrotrons 00269
Optical analysis, Pulse generation, Lasers, Harmonics 00888
Plasmas, Microwaves, Waveguides, Frequency 00035
Resonance, Waveguides, Electromagnetic waves, Voltage 01058
Resonators, Equalizers, Delay 03237
Cellular arrays,
Radios, Mobile systems, Decision making, Technology, Research and development 02896
Satellite communications, Radios, Mobile systems, Frequency, Technology 02897
Cellulose,
Pyrolysis, Visible range, Flux, Arcs 05003
Cement industry,
Electric power distribution, Process control, Electronic equipment, Drives 03395
Electronic equipment, Production, Customer services, Egypt 03396
Equipment, Electric variables control 03401
Kilns, Computer aided control, Minicomputers 08841
Power systems, Transmission lines, Cables 06561
Production control, Cogeneration, Fuel efficiency, Energy conservation 08140
Technology, Drives, Motors 03400
Technology, Loading, Electric power distribution 03402
Ceramics,
Acoustic emissions, Wave propagation, Elasticity, Tensile strength 01984
Automatic control, Sensors, Moisture measurement 02005
Barium titanate, Dielectrics, Microwaves, Resonators 04832
Beryllium oxide, Millimeter waves, Refractive indices, Absorption 07534
Capacitors, Failure, Voltage, Integrated circuits 05578
Capacitors, Optimization, Costs, Microelectronics 05574
Capacitors, Voltage, Dielectrics, Standards 03898
Circuitry, Packaging, Composite materials, Thermal variables control 06075
Generators, Current voltage, Blades, Machinery, Electric power generation 04888
Glass, Surface acoustic waves, Excitation, Transducers 05117
Integrated circuits, Packaged components, Ultrahigh frequency, Microwaves 02640
Integrated circuits, Printed circuit boards, Soldering 06085
Ions, Scattering, Ionic conduction, Rutherford backscattering 06722
Lead titanate zirconate, Dielectricity, Piezoelectricity, Temperature 02683
Materials planning and control, Printed circuit boards, Packaged components 04509
Materials testing, Silicon, Stress, Crack propagation 03504
Materials testing, Thermal expansion, Packaged components, Integrated circuits 07660
Military engineering, Electronic equipment, Packaging, Composite materials 06073
Niobates, Anisotropy, Electrooptics, Dielectricity, Piezoelectricity 05885
Noise, Interfaces, Conductivity 00710
Plasticity, Fatigue, Electric power transmission, Acoustic emissions 03305
Polymers, Thermal insulation, Electric variables measurement, Flames, Circuitry 06563
Powder metallurgy, Lasers, Process development, Economics 05783
Sensors, Research and development, Gas thermosensors 04336
Sensors, Thermal variables measurement, Transmitters 08375
X-rays, Electrodes, Design, Rotation, Rotalix 06742
Cerium oxide,
Electrolytes, Batteries, Performance, Thermodynamics 00174
Cerous magnesium nitrate,
Thermometers, Design, Thermal variables measurement, Dissertation 00253
Cesium,
Electrodes, Plasmas, Displays, Breakdown, Voltage 08863
Cesium compounds,
Ferroelectric crystals, Phase transitions, Dielectricity, Ultrasonics 03533
Chalcogens,
Doping, Silicon, Fabrication, Semiconductors 05898
Channels,
Access, Coding 06374
Access, Communication networks, Protocols, Allocation, Data transmission 06357
Access, Communication networks, Signal transmission, Noise, Dissertation 04777
Access, Protocols, Local area networks 06353
Access, Sequences, Data communications 07939
Access, Transmission, Packet switching 06360
Acoustics, Amplification, Reverberation, Frequency 04769
Acoustics, Optics, Receivers, Calibration, Noise 08927
Acoustics, Ultrasonics, Instrumentation, Reliability, Flowmeters 08468
Aircraft, Data transmission, Routing, Multiplexing, Data compression 04657
Algorithms, Dynamic programming, Terminals, NP completeness 02796
Alignment, Field effect transistors, Semiconductors, Fabrication, Lithography 01198
Amplifiers, Output, Signal transmission, Telemetry 00689
Analog to digital converters, Input output, Memory, Software development 05709
Antennae, Error, Signal processing, Arrays, Interference 06480
Antennae, Signal processing, Noise 06496
Approximations, Voltage, Metal oxide semiconductors, Field effect transistors 07586
Arrays, Signal processing, Filters, Feedback, Dissertation 03166
Asymptotic behavior, Noise, Signal processing, Functions, Numerical analysis 01568
Attenuation, Filters, Antialiasing, Smoothing 02397
Bandwidths, Radios, Mobile systems, Error correcting codes, Signal transmission 01304
Boundary layers, Conductivity, Electric power generation, Magnetohydrodynamics 00163
Broadcasting, Radios, Railway engineering 02902
Channels, (continued)
Broadcasting, Receivers, Radio communications, Feedback, Reliability 09
Buses, Communication networks, Storage, Software development, Pascal 04
Carrier mobility, Metal oxide semiconductors, Field effect transistors, Voltage 02
Charge carriers, Transmission lines, Thermal variables measurement 07
Charge coupled devices, Potentials, Charge carriers, Microelectronics 09
Charge coupled devices, Potentials, Numerical analysis 07
Chemical vapor deposition, Logic circuits, Metal oxide semiconductors 02
Circuitry, Sensors, Research and development, Metal oxide semiconductors 07
Circuitry, Transistors, Voltage, Data collection 08
CMOS, Transistors, Tantalum silicide, Work function 07
CMOS, Very large scale integration, Packaged components, Performance 09
Codes, Error, Probability, Distortion 03
Codes, Error, Probability, Modeling, Dissertation 04
Codes, Mapping, Matching 03
Coding, Parameter estimation, Two-way channels 07
Coding, Signal processing, Probability 06
Coloring, NP completeness, Graphs 05
Communication networks, Architecture, Signal transmission, Circuitry 03
Communication networks, Coding, Loops, Economics 01
Communication networks, Computer aided control, Signal processing 07
Communication networks, Data structure, Filters, Equalizers, Dissertation 06
Communication networks, Data transmission, Feedback, Noise, Convergence 09
Communication networks, Distributed systems, Circuitry, Switching, Access 06
Communication networks, Integrated systems, Signal transmission, Performance 04
Communication networks, Interfaces, Integrated systems, Transmission lines 03
Communication networks, Marketing, Government regulations 07
Communication networks, Signal to noise ratio, Modeling, Interference 06
Communication networks, Simulation, Data transmission, Noise, Dissertation 06
Communication networks, Switching, Decision making, Pulse code modulation 01
Communications, Data transmission, State of the art 02
Communications, Packet switching, Waiting times 07
Communications, Phase locked loops, Performance, Dissertation 01
Communications, Speech recognition, Signal to noise ratio 06
Communications, Transmission, Feedback, Noise 04
Communications, Transmission, Filters 02
Computer aided analysis, Memory, Input, Pulses, Coding 05
Computer aided design, Metal oxide semiconductors, Field effect transistors 011
Current, Logic circuits, Diodes, Metal oxide semiconductors 011
Current, Metal oxide semiconductors, Field effect transistors, Logic circuits 011
Current voltage, Amplitude, Frequency, Pulses, Detection 051
Data compression, Communications, Speech recognition, Vector quantizers 07
Data processing, Security, Telecommunications, Government agencies, Encryption 031
Data transmission, Buses, Fiber optics, Multiplexing 013
Data transmission, Communication networks, Modems, Leased lines 015
Data transmission, Interference, Noise, Mathematical modeling, Dissertation 015
Data transmission, Noise, Dissertation 046
Data transmission, Noise, Satellite communications, Dissertation 015
Data transmission, Noise, Sequences, Multiplexing, Dissertation 046
Data transmission, Satellite communications, Amplifiers, Traveling wave tubes 055
Data transmission, Satellites, Bandwidths, Transponders 004
Data transmission, Signal processing, Laguerre adaptive equalizers 046
Data transmission, Signal processing, Synchronization, Satellite communications 020
Decoding, Convolutional codes 079
Delay, Data transmission, Simulation, TDMA 095
Diffusion, Speckle, Image processing, Interferometers 057
Displays, Metal oxide semiconductors, Field effect transistors 088
Doping, Logic circuits, Epitaxial growth, Metal oxide semiconductors 012
Doping, Metal oxide semiconductors, Field effect transistors, Charge 027
Drain, Field effect transistors, Metal oxide semiconductors, Current voltage 044
Drainage, Mapping, Labor economics, Algorithms, Computer aided analysis 005
Electric power distribution, Fault tolerance, Recording systems 082
Electric power generation, Telemetry, Systems design, Security 046
Embedding, Video systems, Signal to noise ratio, Luminance, Data transmission 077
Encoding, Decoding, Information theory, Communications 095
Energy bands, Semiconductors, Field effect transistors 012
Error, Transmission, Frequency shift keying 079
Feedback, Access, Codes, Noise, Signal processing 095
Fiber optics, Communications, Noise 077
Fiber optics, Japan, Data transmission 013
Fiber optics, Modulation, Bandwidths, Receivers, Sensitivity 013
Fiber optics, Modulation, Pulse generation, Bandwidths 015
Fiber optics, Semiconductors, Technology, Signal transmission, Feedback 045
Field effect transistors, Current voltage, Gallium arsenide, Indium phosphide 012
Field effect transistors, Metal oxide semiconductors, Integrated circuits 012
Filtering, Robustness, Input, Distortion, Signal processing 095
Filters, Design, Recursion, Performance, Prediction 031
Filters, Metal oxide semiconductors, Computer aided design 087
Flow of gases, Cables, Turbulence, Concrete, Simulation 088
Frequency, Access, Speech transmission, Communication networks, Televisions 061
Frequency, Converters, Satellite communications, Modems 078
Frequency, Numerical analysis, Hilbert transforms 094
Frequency, Signal processing, Data transmission, Radio communications 0131
Frequency, Signal to noise ratio, Allocation, Optimization 0790
Gallium arsenide, MESFET, Doping, Performance 0923
Gallium arsenide, MESFET, Drift velocity, Transconductance, Transducers 0597
Gallium arsenide, MESFET, Transistors, Annealing 0593
Information processing, Records management, Software development, Dog tags 0528
Input output, Metal oxide semiconductors, Finite element method, Delay 0758
Integrated circuits, Metal oxide semiconductors, Electrical resistivity 0441
Integrated circuits, Noise, Charge coupled devices 0285
Integrated systems, Communication networks, Terminals, Office automation 0142
Interference, Signal processing, Televisions, Modeling, Data bases 0139
Interference, Telecommunications, Performance 0947
Loading, Vortices, Fluid mechanics, Magnetohydrodynamics 0015
Local area networks, Circuitry, Protocols, Queueing theory, Dissertation 0617

nnels, (continued)
ocal area networks, Data bases, Organization and methods 02996
ocal area networks, Performance, Modeling, Circuitry, Protocols 07930
ocal area networks, Signal transmission, Packet switching, Expressnet 04632
ogic circuits, Current, Field effect transistors, Metal oxide semiconductors 02742
ogic circuits, Design 07652
ogic circuits, Transistors, Metal oxide semiconductors, Voltage 02734
agnetic variables control, Flow, Measurement, Electrodes 05581
agnetohydrodynamics, Electric power generation, Size measurement, Optimization 00157
agnetohydrodynamics, Fault detection, Short circuits, Electrodes 00166
agnetohydrodynamics, Generators, Modeling, Electrodynamics, Gasdynamics 06624
athematical models, Communications, Transmission, Crisis calls 03123
athematical models, Radios, Mobile systems, Interference, Probability 01305
ESFET, Fabrication, Ion implantation, Gallium arsenide 04430
Metal oxide semiconductors, Doping, Current voltage 02740
Metal oxide semiconductors, Field effect transistors, Carrier mobility 02738
Metal oxide semiconductors, Field effect transistors, Integrated circuits 09221
Metal oxide semiconductors, Field effect transistors, Modeling 01224
Metal oxide semiconductors, Field effect transistors, Thermodynamics 09210
Metal oxide semiconductors, Logic circuits, Structural analysis, Design 09219
Metal oxide semiconductors, Performance, Electrical resistivity, Boron, Doping 05977
Metal oxide semiconductors, Random access memory, Transistors, Radiation 04476
Metal oxide semiconductors, Signal processing, Field effect transistors 02753
Metal oxide semiconductors, Transistors, Fabrication, Etching, Dissertation 02761
Microelectronics, Routing, Computer aided design, DEC VAX 11/780 07647
Microprocessors, Error, Coding, Performance, Interleaving 03183
Microwave devices, Frequency, Modeling, Modems, Performance 09560
Minimax, Multiplexing, Transmission, Delay 07996
Modeling, Interference, Coding, Transmission 07926
Modeling, Inverters, Voltage, Metal oxide semiconductors 01197
Modulation, Communications, Dissertation, Optical channels 09334
MOSFET, Fabrication, Tantalum, Silicon 09229
MOSFET, Field effect transistors, Performance, Numerical analysis 05979
MOSFET, Transistors, Degradation, Electrons, Injection 05982
MOSFET, Transistors, Doping, Fabrication 04442
MOSFET, Transistors, Field effect transistors, Design, Electric fields, Voltage 09231
MOSFET, Transistors, Indium phosphide, Insulators, Transport properties 07598
MOSFET, Transistors, Polysilicon, Electrical conductivity 05956
Multiplexing, Buses, Data transmission, Data bases, Fiber optics 01364
Multiplexing, Fiber optics, Signal processing, Speech transmission 09333
Multiplexing, Spread spectrum communications, Coding, Signal transmission 09553
Neurophysiology, Communication networks, Distortion, Controllers 05328
Noise, Coding, Dissertation 04791
Noise, Metal oxide semiconductors, Field effect transistors 01209
Noise, Oscillators, Frequency, Stability 08821
Nuclear magnetic resonance, Pulse generation, Control systems 05044
Online systems, Peripheral devices, Programmable controllers, ES computer 06895
Optical communications, Modeling, Coupling, Amplitude, Signal to noise ratio 01331
Optical communications, Signal processing, Lasers, Modulation 07905
Optical communications, Signal processing, Modulation, Pulses, Detection 09557
Optics, Telecommunications, Interference, Lasers, Performance 05777
Packet switching, Speech transmission, Air traffic control, Simulation 07938
Parallel processing, Integrated circuits, Silicon, Metal oxide semiconductors 08790
Parameter estimation, Signal transmission, Equalization 01578
Performance, Codes, Input output, Noise 07953
Position control, Design, Couplers, Phase shifts, Power systems 08125
Potentials, MOSFET, Transistors, Transconductance 09230
Programmable controllers, Logic, Multiplexers, ES computer 06896
Protocols, Communication networks, Satellite communications, Traffic, Modeling 01576
Pulse generation, Channel capacity, Modulation, Coding, Fiber optics 01584
Pulse generation, Current, Control systems, Signal converters 00118
Pulse generation, Logic circuits, Metal insulator semiconductors 01230
Queueing theory, Telephones, Ergodicity 09469
Radar, Image processing, Noise 04718
Radio communications, Data transmission, Access, Time measurement, Delay 09314
Radio communications, Mobile systems, Signal processing, Interference 07688
Radio communications, Signal transmission, Control 01574
Radio communications, Signals, Distortion, Fading 09309
Radio communications, Telephones, Mobile systems, Signal processing 04652
Radio communications, Transmission, Noise 07690
Radio frequency, Noise, Signal processing, Data transmission, Optimization 04772
Radios, Signal transmission, Reliability 06120
Radios, Speech transmission, Satellite communications, Synchronization, Delay 01415
Random access memory, Communication networks, Hybrid systems, Delay, Traffic 04581
Random access memory, Metal oxide semiconductors, Silicon, Signal processing 04404
Realtime systems, Timers, Pulses, Input, Scanning 05315
Receivers, Communication networks, Data transmission, Noise, Quality control 09580
Reflection, Waveguides, Modulation, Switching, Electrooptics, Dissertation 01061
Routing, Arithmetic circuits, Dissertation 02799
Routing, Integrated circuits, Wire routing 02813
Routing, Integrated circuits, Wire routing 02844
Satellite communications, Access, Performance, Packet switching, Dissertation 06195
Satellite communications, Broadcasting, Televisions, Government regulations 06188
Satellite communications, Data transmission, Packet switching 01405
Satellite communications, Data transmission, Speech transmission 01412
Satellite communications, Modeling, Performance, Signal processing 07932
Satellite communications, Modulation, Coding, Noise, Performance 09558
Satellite communications, Packet switching, Transmission 03159
Satellite communications, Signal transmission, Noise, Error 01577
Satellite communications, Software packages, Simulation, Coding, Modulation 07800
Satellite communications, Transponders, Circuitry 09420
Security, Communications, Speech recognition, Speech scramblers 07943
Seismology, Filtering, Signal processing, Dissertation 04774
Signal detection, Phase shift keying, Modulation, Receivers, Error 01558
Signal processing, Amplitude, Satellite communications, Bandwidths, Feedback 01413
Signal processing, Coding, Demodulation, Noise, Density 09555

Channels, (continued)
Signal processing, Communication networks, Distortion, Minimization 03125
Signal processing, Communication networks, Synchronization, Coding 03130
Signal processing, Data transmission, Estimation, Radios, Simulation 07679
Signal processing, Error, Antennae, Reliability 07907
Signal processing, Error, Probability, Fading, Interference 06318
Signal processing, Polarization, Antennae 04841
Signal processing, Robustness, Detection, Metrics, Coding 03127
Signal processing, Scattering, Noise, Fading, Dissertation 07949
Signal processing, Speech transmission, Interference 07854
Signal processing, Switching, Sequences, Distributors, Output 03143
Signal reception, Interference, Demodulation, Phase locked loops 09561
Signal reception, Simulation, Signal to noise ratio 09567
Signal to noise ratio, Filters, Circuitry, Mathematical models 07890
Signal to noise ratio, Pulse code modulation, Data transmission, Error 01598
Signal to noise ratio, Televisions, Filtering 02950
Signal transmission, Covariance, Noise, Matching, Gaussian processes 07923
Signal transmission, Equalization, Interference, Receivers, Processors 07922
Signal transmission, Feedback, Error, Probability, Boundary value problems 01567
Signal transmission, Filters, Multiplexing 06399
Signal transmission, Modulation, Coding 06373
Signal transmission, Noise, Phase shift keying 09563
Signal transmission, Random variables, Distortion, Noise, Jammers 06350
Signal transmission, Satellite communications, Scheduling, Delay, Optimization 07811
Signal transmission, Tuning, Integrated circuits, Frequency, Televisions 02973
Signals, Codes, Video systems, Televisions 01387
Signals, Modulation, Tracking, Delay 07915
Signals, Phase shift keying, Error 06359
Silicon, Amorphous materials, Field effect transistors, Vertical-type 09233
Software, Magnetohydrodynamics, Electric power generation 00167
Spectral analysis, Bandwidths, Time measurement, Clock synchronizers 03161
Spectral analysis, Oceanography, Remote sensing, Satellites, Reflectance 00565
Speech transmission, Packet switching, Circuitry, Delay, Probability 07844
Speech transmission, Quality control 09478
Speech transmission, Vocoders, Parallel processing 01481
Stability, Signal processing, Packet switching, Dynamics, ALOHA 03164
Structural analysis, Memory, Coupling, Logic circuits, Reliability 02801
Surface states, MOSFET, Field effect transistors, Charge carriers, Injection 05971
Switching, Signals, Communication networks 09530
Telecommunications, Microprocessors, Antennae, Data transmission, Meteor-burst 06118
Telecommunications, Packet switching, Standards, Protocols 03061
Telecommunications, Pulse code modulation, Signals, Dissertation 09551
Telecommunications, Speech transmission, Signal reception, Interference 04650
Telephones, Networks, Transmission lines 07945
Teletext, Data transmission, Pulse shapes 01423
Televisions, Image processing, Sound propagation, Synchronization, Coding 01384
Televisions, Signal transmission, Coding, Transforms, Bandwidth compression 07957
Thickness measurement, Insulators, Logic circuits, Capacitance 01180
Time measurement, Algorithms, Simulation 03160
Time measurement, Algorithms, Simulation 03160
Traffic, Data transmission, Channel capacity 03156
Traffic, Redundancy, Performance 09556
Traffic, Speech transmission, Modeling 03154
Transcoders, Metering, Integrated circuits, Design 08782
Transmission lines, Underwater technology, Data transmission, Fiber optics 01370
Transmission, Modulation, Signal reception 07936
Transmission, Noise, Parameter estimation 07925
Transmission, Radio communications, Mobile systems 04528
Transmission, Radio communications, Protocols, Decoding 02900
Transmission, Signal to noise ratio, Noise 01552
Tuning, Frequency, Switching, Semiconductor lasers 07377
VMOST, Transistors, Fabrication, Lithography, Metallization 04424
Voltage, Doping, Metal oxide semiconductors, Field effect transistors 02755
Voltage, Metal oxide semiconductors, Field effect transistors, Logic circuits 01215

Charge,
Amplifiers, Capacitors, Charge transfer, Error, Switched capacitors 03896
Capacitors, Fusion, Research and development, Computer aided analysis 08210
Cells, Nickel, Cadmium, Frequency, Impedance 08304
Cells, Primary cells, Impedance, Open circuit voltage 03339
Charge mobility, Logic circuits, Anodes, Optical analysis 01227
Charge transfer, Current, Semiconductors, Doping 09193
Contacts, Dust, Adhesion, Electric variables measurement 05083
Electrodes, Potentials, Electrostatics, Voltage, Symmetry 00123
Electrostatics, Hydrocarbons, Liquids, Spraying 08450
Electrostatics, Transformers, Oil, Moisture measurement 09166
Field effect transistors, Metal oxide semiconductors, Channels, Doping 02739
Finite element method, Magnetic variables control, Electric variables control 06808
Fuel cells, Energy storage components, Discharges 01803
Gas lasers, Pumping, Electron beams, Dissertation 08992
Gyrotrons, Resonators, Oscillators, Electromagnetic fields, Modeling 06473
Indium, Bridges, Josephson effect, Circuitry 05804
Insulators, Contamination, Voltage, Electrodes 01774
Ions, Electric fields, Americium, Particle size, Aerosols 01924
Lifetimes, Bipolar transistors, Collectors, Current 07564
Metal oxide semiconductors, Sensors 09215
MISFET, Transistors, Gates, Capacitance, Voltage 07597
MTOS, Junctions, Switching, Bistability 09232
Nickel, Electrodes, Coatings, Thermal variables measurement 08308
Perturbation, Velocity, Radiation, Electromagnetic waves 06430
Polarization, Fuel cells, Electrochemistry, Calcium 00186
Potentials, Spacecraft, Accelerators, Voltage 00470
Pulse generation, Spacecraft, Transient pulse monitor, Surface potential 02108
Satellites, Pulse generation, Sensors, Specifications 02109
Sensors, ISFET, Field effect transistors, Electrochemistry 04426
Signal processing, Channels, Metal oxide semiconductors 02753
Signal processing, Electromagnetic fields, Petrochemical industry, Induction 02187

Charge, (continued)
Silicon, Metal oxide semiconductors, Surface properties, Insulators 02472
Simulation, Circuitry, Capacitors, Switched capacitors 05572
Spacecraft, Satellites, Voltage, Surface potential 02107
Storage, Doping, Polymerization, Electrochemical reactions, Poly(thiophene) 08501
Surface properties, Breakdown, Voltage, Pnn-device 09180
Switches, Connectors, Transients, Electric power generation 01754
Thermal variables measurement, Signal converters, Thermionic devices 02618
Thin films, Electroluminescence, Excitation, Zinc sulfide 05674
Transmission lines, Magnetic fields, Electric fields, Safety 01741
Voltage, Generators, Switching, Circuitry 06774

Charge carriers,
Bias, Leakage current, Photons, Pn junctions 02693
Capacitance, Graphite, Electrochemistry 03553
Charge coupled devices, Channels, Potentials, Microelectronics 09292
Coatings, Photovoltaics, Photoconductivity 02503
Computer aided analysis, Current, Gallium arsenide, IMPATT diodes 04379
Computer aided analysis, Piezoelectricity, Surface acoustic waves, Current 02632
Conductance, Interfaces, Metal oxide semiconductors 01152
Connectors, Transmission lines, Power systems, Telecommunications 03298
Contacts, Space charge, Photoconductivity 02488
Current density, Solar cells, Schottky barriers, Photoconductivity 03931
Current, Electric variables control, Diodes, Computer aided analysis 05895
Current, Scanners, Lasers, Solar cells, Energy conversion 03932
Current, Superconductivity, Magnets, Solenoids 04273
Decay, Voltage, Semiconductors, Service life, Capacitance 02688
Density, Current voltage, Schottky barriers 01140
Density, Semiconductor lasers, Dynamics, Modeling, Numerical analysis 04015
Diffusion, Semiconductors, Schottky diodes, Irradiation 04388
Diffusion, Silicon, Leakage current, Diodes, Thermal variables measurement 04380
Dissipation, Electric vehicles, Voltage, Batteries, Computer aided design 00188
Electrical resistance, Numerical analysis, Impedance 01926
Electricity, Electromagnetic fields 03216
Electrons, Drift mobility, Klystrons, Ions, Accelerators 08513
Emissions, Spectroscopy, Pulse generation, Signal processing, Dissertation 01939
Energy bands, Thermal variables measurement, Current, Heterostructure lasers 00943
Field effect transistors, Metal oxide semiconductors, Diffusion, Voltage 01213
Frequency, Scanners, Nondestructive testing, Transducers 04342
Hall effect, Magnetic fields, Thin films 01956
Hot electrons, Degradation, MOSFET, Transistors, Transconductance 05969
Injection, MOSFET, Field effect transistors, Channels, Surface states 05971
Injection, Pin diodes, Current voltage, Lifetimes, Recombination 07541
Injection, Polyethylene, Oxidation, Electrical conductivity 05148
Injection, Schottky diodes, Current voltage, Thermionic emissions 07557
Injection, Silicon, Tunnel junctions, Metal insulator semiconductors 07577
Injection, Transistors, Electrodes, Heterojunctions 07569
Laplace force, Fibers, Conductivity, Current 02469
Lifetimes, Detectors, Diffusion, Degradation 08409
Lifetimes, Field effect, Relaxation, Semiconductors 09544
Lifetimes, Silicon, Solar cells, Pn junctions, Open circuit voltage 05004
Lifetimes, Silicon, Solar cells, Short circuits, Open circuit voltage 05630
Logic circuits, Interfaces, Metal oxide semiconductors, Current 02752
Magnetometers, Integrated circuits, Magnetic fields, Frequency, Transducers 01954
Memory, Transistors, Integrated circuits, Deformation, Reliability 01223
Metal insulator semiconductors, Solar cells, Fermi levels, Interfaces 02523
Metal insulator semiconductors, Solar cells, Schottky diodes, Diffusion 00783
Metal insulator semiconductors, Theoretical analysis, Current, Multipliers 04376
Metal insulator semiconductors, Tunnel junctions, Gain, Transistors 01165
Metal oxide semiconductors, Field effect transistors, Surface properties 02743
Minority carriers, Lifetimes, Open circuit voltage, Solar cells 05647
Photoconductivity, Field effect transistors, Metal oxide semiconductors 02754
Photoconductivity, Interfaces, Xerography, Electrooptics 02537
Photoconductivity, Thermal variables measurement, Semiconductors 00767
Photovoltaics, Service life, Junctions 00789
Pn junctions, Magnetometers, Magnetic fields, Current, Computer aided analysis 01953
Pn junctions, Temperature, Voltage, Solar cells 03929
Power systems, Integrated circuits, Waste heat, Metal oxide semiconductors 04391
Precision engineering, Superconductivity, Magnets, Solenoids 04174
Recombination, Semiconductors, Photoconductivity, Microwaves, Resonators 03246
Schottky barriers, Gallium arsenide, Defects, Band structure 09194
Schottky diodes, Current voltage, Contacts, Semiconductors 01130
Schottky diodes, Logic circuits, Doping, Interfaces, Field effect transistors 04406
Semiconductor lasers, Aluminum gallium arsenide, Refractive indices 04023
Semiconductor lasers, Charge density, Service life 04011
Semiconductors, Diodes, Service life, Decay, Voltage 02687
Semiconductors, Transistors, Space charge, Schottky diodes 01164
Service life, Insulators, Logic circuits, Transistors, Switching 02733
Signal to noise ratio, Transfer functions, Modeling 01255
Signals, Absorption, Acoustooptics 00850
Silicon, Emitters, Bipolar transistors, Dissertation 02731
Simulation, Tunnel junctions, Solar cells 00796
Solar cells, Surface properties, Diffusion, Transport properties 07287
Striplines, Injection, Semiconductor lasers 00956
Structural analysis, Photoresponse, Solar cells 00804
Surface properties, Current voltage, Metal oxide semiconductors 01122
Tantalum sulfide, Noise, Electromagnetic waves, Density 00376
Time measurement, Lasers, Reflectivity, Resonators 00905
Transducers, Magnetics, Electric fields, Sensors 05846
Transmission lines, Channels, Thermal variables measurement 07477
Transport properties, Metal oxide semiconductors, Transistors, Interfaces 04443
Tunneling, Metal oxide semiconductors, Capacitors, Space charge 02481
Tunneling, Valence, Semiconductors, Band structure 04369

Charge coupled devices,
Channels, Noise, Integrated circuits 02853
Channels, Potentials, Charge carriers, Microelectronics 09292
Dark conduction, Space charge, Leakage current, Crystal defects 04498

Charge coupled devices, (continued)
Electrooptics, Schottky diodes, Logic circuits, Signal processing 02
Fasteners, Robots, Aircraft engineering, Wings, Cameras 05
Geometry, Metal oxide semiconductors, Field effect transistors 01
Image processing, Optimization, Registers, Photodevices 07
Image processing, Photodetectors, Heterojunctions, $ZnSe-Zn_{1-x}Cd_xTe$ 00
Image processing, Radio astronomy, Pulsars, Photometry 07
Image processing, Visible range, Recording systems, Cameras 07
Integrated circuits, Shift registers, Dissipation 02
Ionization, Interfaces, Charge mobility, Dissertation 02
Junctions, Logic circuits, Computer aided design 06
Multiplexers, Arrays, Signal processing 09
Multiplexing, Infrared, Photodiodes, Mathematical models, Dissertation 07
Potentials, Channels, Numerical analysis 07
Sampling methods, Filters, Tap weights, Error 02
Satellite communications, Kalman filters, Transforms, Error, Synchronization 021
Semiconductors, Integrated circuits, Charge transfer 01
Sensors, Image processing 05
Sensors, Metal oxide semiconductors, Field effect transistors, Amplifiers 01
Sensors, Structural analysis, Pattern recognition, Photodevices 04
Silicon, Amorphous materials, Electron density, Temperature, Numerical analysis 07
Silicon, Metal oxide semiconductors, Photosensors, Dissertation 011
Silicon, Photodetectors, Fabrication 05
Thin films, Tellurium, Bismuth telluride 01
Time measurement, Signal processing, Architecture 05

Charge density,
Annealing, Gallium arsenide, Schottky barriers, Metal insulator semiconductors 027
Capacitance voltage, Heterojunctions, Interfaces, Spectroscopy 03
Conductivity, Electromagnetic waves, Phonons 00
Metal insulator semiconductors, Schottky diodes, Fabrication, Barrier heights 04
Semiconductors, Polarization, Electrons, Magnetic fields 011
Service life, Charge carriers, Semiconductor lasers 04
Surface properties, Electrodes, Capacitance 001

Chemical lasers,
Ammonia, Pumping, Raman effect, Wave equations 074
Hydrogen fluoride, Fabrication, Calibration, Spectral analysis 08
Pumping, Frequency, CHD_2F FIR laser 09
Signal processing, Power, Modeling 074

Chemical process industry,
Compressors, Induction motors, Electric variables control 032
Controllers, Performance, Least squares estimation, Algorithms, Dissertation 052
PCB compounds, Mechanical handling, Automation, Robots 020

Chemical reactions,
Heat treatment, Optical storage, Thin films 015

Chemical vapor deposition,
Channels, Logic circuits, Metal oxide semiconductors, Field effect transistors 027
Fiber optics, Fluid mechanics, Silicon dioxide, Optics 013
Field effect transistors, Photodiodes, Integrated circuits, Pn junctions 027
Gallium indium arsenide, Solar cells, Semiconductors, Junctions, Dissertation 027
Ion implantation, Noise, Field effect transistors, Semiconductors 044
Niobium carbon nitride, Superconductors, Magnetic fields, Structural analysis 040
Silicon, Heterojunctions, Current voltage, Si/SnO_2 002
Zinc sulfide, Films, Manganese, Doping, Electroluminescence 008

Chemical variables control,
Adhesives, Automatic control, Packaged components, Electronic equipment 027
Adsorption, Etching, Copper indium sulfide, Copper indium selenide, Solar cells 025
Biomedical engineering, Materials testing, Loading, Mechanical strength 086
Cables, Electric power transmission, Paper industry 065
Carbon dioxide, Solar energy, Photochemicals, Energy recovery 049
Circuitry, Corrosion resistance, Surface protection, Environmental engineering 092
Electrochemical reactions, Nickel, Alloys, Iron, Electrodeposition 033
Electrodialysis, Electric power generation, Salts 003
Electrons, Accelerators, Polymerization, Electron beam curing 034
Powder metallurgy, Ceramics, Lasers, Process development, Economics 057
Propellants, Flames, Spectroscopy 051
Spacecraft, Propulsion, Performance, Energy conservation, Electric thrusters 052
Stress, Electric power transmission, Cables, Crack propagation 082
Surface properties, Fuel cells, Coatings 0664

Chemical variables measurement,
Acoustics, Frequency, Relaxation, Sea water 035
Anodes, Breakdown, Magnesium, Batteries 0017
Deformation, Hydrogen, Arc welding, Nondestructive testing 039
Detectors, Acoustooptics 0397
Electrochemical reactions, Corrosion, Aluminum, Impedance, Measurement 033
Fabrication, Thin films, Photovoltaics 0077
Flow of gases, Anemometers, Sensors 003
Gases, Sensors, Oxides, Thermal variables measurement 0837
Laser spectroscopy, Fluorescence, Ions, Energy transfer 056
Lasers, Fiber optics, Sensors, Pressure, Thermal variables measurement 0613
Metal oxide semiconductors, Sensors 0921
Oil, Insulators, Transformers, Materials recovery, Industrial waste disposal 0173
Photoresists, Microlithography 0083
Pollution control, Spectrometers, Microwaves, Resonators 0193
Power systems, Radio frequency, Modulation, Plasmas 0073
Resins, Solvents, Process control, Polymers, Mass spectrometers 0036
Rocket engines, Structural analysis, Reliability, Failure 0526
Solar energy, Mirrors, Surface properties, Spectroscopy 0020
Spectrometers, Plasmas, Radiative transfer 0400
Surface properties, Breakdown, Diodes 0270
Transformers, Epoxy resins, Combustion products 0108
Transformers, Oil, Industrial waste disposal 0173
Transmission lines, Polymers, Deformation, Insulators 0011

China,
Image processing, Microwave devices, Scanning, Environmental protection 0219
Telecommunications, Technology, Research and development 0287

romium,
Cobalt, Recording systems, Magnetics, Performance ... 05879
Doping, Gallium arsenide, Annealing, Thermal variables measurement ... 07671
Films, Cobalt, Magnetics, Recording systems ... 05880
Foils, Lasers, Irradiation, X-rays, Emissions ... 05745
Schottky diodes, Gallium arsenide, Evaporation, Crystal growth ... 02714
romium dioxide,
Ferromagnets, Synthesis, Doping, Surface properties, Video systems ... 05865
Magnetic tapes, Coatings, Recording systems, Noise ... 05866
Magnetic tapes, Recording systems, Switching ... 05873
Video systems, Magnetic tapes, Reproduction (copying), Heat treatment ... 05864
romium nitride,
Electrodeposition, Crystal growth, Photovoltaics, Solar collectors ... 02516
romium telluride,
Heterojunctions, Cadmium sulfide, Photovoltaics ... 00215
rcuit boards,
Assembling, Production control ... 01275
Fabrication, Computer aided design, State of the art ... 01249
Radiography, Soldering, Surface properties, Lasers, Quality control ... 04507
rcuit breakers,
Automation, Research and development, Data collection, Materials testing ... 00105
Buses, Transmission lines, Automatic control, Switching, Power systems ... 03637
Capacitance, Standards, Testing, Voltage ... 00107
Current voltage, Switching, Capacitance ... 01742
Electric power generation, Fault detection, Logic circuits, Superconductors ... 04276
Fault detection, Solenoids, Superconductivity, Circuitry, Current ... 04206
Generators, Design, Voltage, Current ... 08173
Inductance, Arcs, Thermal variables measurement, Voltage ... 00106
Inductors, Superconductivity, Current voltage, Fault detection ... 04289
Maintenance, Statistical analysis, Electric power apparatus, Industry ... 08228
Phase shifts, Transmission lines, Resonance, Current ... 01720
Power systems, Flow, Time measurement, Computer programs, Dissertation ... 04897
Power systems, Transmission lines, Fault detection, Mining ... 03833
Protective circuits, Diodes, Switches, Safety systems, Semiconductors ... 04381
Recovery systems, Generators, Voltage, Fault detection, Transformers ... 01716
Simulation, Harmonics, Power systems, Transmission lines, Rapid transit systems ... 03766
Simulation, Interrupters, Current ... 00110
Sulfur hexafluoride, Design, Voltage ... 08192
Switches, Ignition, Resistors, Voltage ... 06590
Switches, Superconductivity, Current voltage, Electric power transmission ... 04285
Switching, Voltage, Transmission lines, Systems design ... 01775
Thyristors, Current, Energy storage components ... 01753
Vacuum technology, Product development, Switches ... 00699
Vacuum technology, Switches, Surges, Nuclear power plants ... 00108
Voltage, Fault detection, Standards, Protective circuits, Power systems, Mining ... 03834
Voltage, Injection, Testing ... 08226
Voltage, Switching, Capacitors ... 00099
ircuitry,
Algorithms, Signal processing, Frequency ... 08791
Amplifiers, Design, Microelectronics ... 05522
Amplifiers, Error, Frequency, Impedance, Design ... 00686
Amplifiers, Fabrication ... 03845
Amplifiers, Field effect transistors, Current voltage, Noise, Feedback ... 05952
Amplifiers, Matrices, Economics, Computer aided analysis ... 02428
Amplifiers, Random access memory, Design ... 02438
Amplifiers, Signal processing, Voltage, Mathematical models, Education ... 07189
Amplifiers, Signal to noise ratio ... 05520
Amplifiers, Voltage, Stability, Numerical analysis, Biomedical engineering ... 05504
Amplitude, Voltage, Thyratrons, Switches ... 07496
Analog to digital converters, Comparators, Capacitance ... 03373
Analog to digital converters, Signal processing, Power supply, Design ... 05806
Analog to digital converters, Signal to noise ratio, Logic, Stability ... 05538
Arbiters, Latch, Synchronizers, Delay, Modeling ... 00609
Arithmetic circuits, Channels, Routing, Dissertation ... 02799
Arithmetic circuits, Testing, Reliability ... 06058
Arithmetic, Transforms, Number theory ... 00683
Arrays, Architecture, Metal oxide semiconductors, Gallium arsenide, Design ... 09285
Arrays, Signal to noise ratio, Interference, Error, Quality control ... 06333
Audio systems, Signal processing, Computer aided analysis, Quality control ... 07853
Bent hysteresis, Design, Chaotic systems ... 02425
Bias, Current, Limiters, Circuit breakers, Fault detection ... 04206
Bifurcation, Diodes, Current voltage, Junctions, Computer aided analysis ... 08772
Bifurcation, Oscillation, Equilibrium, Simulation ... 07149
Bipolar devices, Converters, Current, Voltage, Frequency ... 05541
Bipolar devices, Logic, Memory, Transistors, Technology ... 09283
Bipolar devices, Telecommunications, Switching, Design, Buses ... 07640
Bridges, Capacitance, Frequency, Shunt reactor loss ... 08252
Broadcasting, Receivers, Ganging errors, Oscillators ... 02800
Cables, Coupling, Capacitance, Crosstalk, Digital systems ... 07472
Cables, Voltage, Conductors ... 08218
Cameras, Color, Signal processing, Lenses, Diodes ... 02917
Cameras, Video systems, Recording systems ... 02918
Capacitance, Switching, Amplifiers, Numerical analysis ... 00661
Capacitors, Filters, Networks, Parameter estimation ... 08783
Capacitors, Networks, Switched capacitors ... 08769
Capacitors, Stability, Thermal variables control ... 05925
Catastrophe theory, Theoretical analysis ... 07153
Charge, Capacitors, Simulation, Switched capacitors ... 05572
Circuit theory, Matrices, Eigenvalues, Functions ... 05487
CMOS, Current voltage, Modeling ... 09212
Coaxial cables, Parameter estimation, Dielectrics, Measurement ... 04305
Communication networks, Admittance, Impedance, Transmission lines ... 04778
Communication networks, Amplifiers, Loading, Noise, Design ... 00671
Communication networks, Architecture, Signal transmission, Channels ... 03167
Communication networks, Control systems, Flow, Traffic, Simulation ... 04580
Communication networks, Design, Multiplexing, Packet switching, Routing ... 06255

Circuitry, (continued)
Communication networks, Distributed systems, Switching, Access, Channels ... 06400
Communication networks, Frequency, Computer aided analysis, Modeling ... 00049
Communication networks, Functions, Fault detection, Transformations, Logic ... 00668
Communication networks, Modulation, Attenuation, Diodes, Volterra series ... 08774
Communication networks, Switching, Simulation, Modeling, Dissertation ... 05423
Communication networks, Systems design, Optimization, Quality control ... 01420
Communication networks, Telephones, Echo suppression, Impedance ... 07848
Communication networks, Theorem proving, Integrals ... 08777
Communications, Signal processing, Filters, Amplifiers ... 05454
Commutation, Rings, Capacitance voltage, Loading, Failure ... 08856
Compensators, Design, Transfer functions ... 00670
Compensators, Inverters, Energy storage components ... 08193
Computer aided design, Impedance, Resistance, Two-terminal devices ... 02419
Computer aided design, Numerical analysis, Research and development ... 05492
Computer aided design, Optimization, Electronic equipment, Performance ... 03738
Computer aided manufacturing, Testing, Equipment, Automation ... 06055
Computer graphics, Mapping, Video systems, Displays, Hybrids ... 05686
Computer programs, Optimization, Microwaves, Noise, Delay ... 03239
Computer programs, Personal computers, Statistical analysis, Performance ... 07644
Conductors, Arc furnaces, Current, Power supply ... 02465
Conferencing circuits, Signal processing, Amplifiers, Feedback, Voltage ... 03849
Control systems, Solar cells, Power supply, Converters, Performance ... 08222
Control systems, Voltage ... 08796
Controllers, Robots, Assembling, Machining centers, Sensors ... 00429
Controllers, Stability, Simulation ... 03827
Controllers, Time measurement ... 05512
Conversion, Design, Sensitivity ... 03837
Converters, Current voltage, Input output, Modeling, Dissertation ... 05546
Converters, Waveform generators ... 03875
Couplings, Distributed circuits, Conductors, Transmission lines ... 02421
Cryptography, Key management, Communication networks, Galois fields, Algorithms ... 01575
Current voltage, Modeling, Generators, Induction machines ... 01681
Current voltage, Transients, Nondestructive testing, Willoughby method ... 02414
Data communications, Optics, Waveguides ... 05823
Decomposition, Networks, Fault tolerance, Fault detection, Identification ... 08780
Delta wye transformations, Duality, Numerical analysis ... 03153
Design, Automatic testing, Fault detection ... 00679
Design, Bipolar devices, Random access memory, Capacitors, Fabrication ... 09284
Design, Branch and bound method, Filters, FIR filters ... 02388
Design, CMOS, Transistors, Masks ... 07571
Design, Couplers, Computer aided analysis ... 08077
Design, Coupling, Networks ... 05499
Design, Filters, FIR filters, Prefilter structure ... 07117
Design, Filters, Symmetry ... 07135
Design, Filters, Transfer functions, Digital recursive filters ... 08748
Design, Frequency selection ... 05438
Design, Injection lasers, Semiconductor lasers, Modulation, Communications ... 07390
Design, Input output, Speech transmission ... 01487
Design, Iterative method, Filters, IIR/FIR filters ... 02389
Design, Microwaves, Impedance, Numerical analysis ... 06475
Design, Precision engineering, Filters ... 02383
Design, Signal processing, Book ... 07169
Design, Signal processing, Noise, Metal oxide semiconductors, Transistors ... 05927
Design, Superconductors, Generators, Performance ... 08342
Design, Time measurement, Dissertation, Clocking discipline ... 02836
Detectors, Nega-binary sign detectors ... 03826
Diagnostics, Modeling, Functions ... 00678
Diodes, Modeling, Millimeter waves, Transport equations, Energy conservation ... 05904
Directed trees, Nodal determinants ... 05488
Displays, Fabrication, Glass, Pressure ... 08898
Displays, Gases, Cathode ray tubes, Televisions, Color ... 08899
Distortion, Sensitivity, Computer aided analysis, SCAPN ... 07152
Dividers, Modular design ... 02456
Documentation, Loops, Receivers, Software development, Modules ... 06110
Eddy current, Magnetic fields, Numerical analysis, Matrices, Problem solving ... 06794
Eddy current, Problem solving, Conductors, Numerical analysis ... 06759
Education, Electrical engineering, Microprocessors, Electromechanics ... 03819
Electric power generation, Integrals, Theorem proving, Vectors, Frequency ... 08770
Electric power transmission, Measurements, Signal processing, Circuitry ... 09091
Electrochemistry, Geodesy, Signal processing, Petrochemical industry ... 02187
Electromagnetics, Structural analysis, Modeling, Eddy current ... 06565
Electromagnetics, Thermal variables control, Mathematical models, Wire ... 06401
Electronic equipment, Assembling, Automation, Computer aided manufacturing ... 01273
Electronic equipment, Packaging, Economics, Quality control ... 05507
Electronic equipment, Troubleshooting ... 03815
Electrooptics, Sensors, Position control, Space technology ... 08610
Electrostatics, Induction machines, Energy conversion ... 03262
Engineering, Transformers, Education, Technology ... 03821
Estimation, Modeling, Recursion, Algebra, Filters ... 03804
Fabrication, Computer aided design ... 06009
Fabrication, Computer aided design, Computer aided manufacturing, Reliability ... 07664
Fabrication, Computer aided design, Simulation ... 07158
Fabrication, Computer aided design, Simulation, Palladio ... 02409
Fabrication, Filters ... 03790
Fabrication, Filters, Architecture, FIR filters ... 05451
Fabrication, Filters, Chebyshev approximations, Algorithms ... 03800
Fabrication, Filters, Delay, Transfer functions ... 03801
Fabrication, Filters, Quantization, Sampling rate alteration ... 03803
Fabrication, Filters, Sensitivity, Switched capacitor filters ... 03789
Fabrication, Filters, Transformations, Stability ... 05463
Fabrication, Gallium arsenide, Field effect transistors ... 09222
Fabrication, Gallium arsenide, Optoelectronics ... 09220
Fabrication, Gallium arsenide, Random access memory ... 04459
Fabrication, Integrated circuits, Metal oxide semiconductors ... 05987
Fabrication, Integrators, Tuning, Amplifiers ... 07195

Circuitry, (continued)
Fabrication, Measurement, Inspection, Computer aided analysis, Vision 07663
Fabrication, Random access memory, Fault detection 04486
Fabrication, Random access memory, Time measurement 04485
Fabrication, Technology, Metal oxide semiconductors, CMOS SLIC 06037
Fabrication, Telephones 06259
Fault detection, Algorithms, Nonlinear equations 06068
Fault detection, Communication networks, Identification, Topology 03830
Fault detection, Logic, Dictionaries, Simulation, Algorithms 06067
Fault detection, Measurement, Tellegen's theorem 05443
Fault detection, Software development, Dictionaries 06066
Fault detection, Testing, Algorithms, Effect-cause analysis 05503
Fault detection, Testing, Information processing, Economics 00674
Fault detection, Testing, Voltage, Multiprocessors, Signal processing 06573
Fault detection, Voltage, Impedance, Equivalence, Numerical analysis 00665
Fault tolerance, Matrices, Simulation, Dynamical systems 08771
Fault tolerance, Reliability, Generators, Testing, Computer programs 05500
Fiber optics, Data transmission, Sensors, Industry, Military 04552
Filtering, Signal transmission, Equalization 03158
Filtering, Topology, Metal oxide semiconductors, Amplifiers, Capacitors 05570
Filters, Algorithms, Design, Transfer functions, Iteration 02378
Filters, Algorithms, Tuning, Statistical analysis, Dissertation 05482
Filters, Amplifiers, Reliability 02357
Filters, Amplitude, Computer aided analysis 07118
Filters, Bandwidths, Frequency, Transfer functions 08763
Filters, Bandwidths, Optimization 00647
Filters, Capacitors, Frequency, Time measurement, Switched capacitors 05452
Filters, Capacitors, Microelectronics 07248
Filters, Computer aided design, Computer graphics 03777
Filters, Computer aided design, Simulation 00656
Filters, Design 00657
Filters, Design 02400
Filters, Design, Algorithms, Approximations 01904
Filters, Design, Impulse response, FIR filters 07136
Filters, Design, Iterative method 00651
Filters, Design, Linear programming, FIR filters 02385
Filters, Design, Precision engineering 02382
Filters, Design, Recursion 02374
Filters, Design, Transfer functions, FIR filters 02380
Filters, Digital filters/systems 07126
Filters, Electric variables measurement, Televisions, Computer aided control 00301
Filters, Electronic equipment 00633
Filters, Error, Boundary value problems 03795
Filters, Fabrication, Computer aided design, E-plane filter 03798
Filters, Fabrication, Fault tolerance, Modeling 05461
Filters, Feedback, Input, Amplifiers, Embedding 00634
Filters, Finite impulse response, Frequency domain 02391
Filters, Frequency, Topology 05455
Filters, Gain, Bandwidths, Transfer functions 05476
Filters, Impulse response, Transfer functions 05473
Filters, Inductance, Theorem proving 07119
Filters, Input output, Resonators, Approximations, Coupling 00653
Filters, Interpolation, Parameter estimation 00650
Filters, Multipliers, Adders, FIR subfilters 02401
Filters, Noise, Gain, Delay, Butterworth filter 03797
Filters, Noise, Signal to noise ratio 05435
Filters, Noise, Transfer functions, Spectral analysis, Simulation 00669
Filters, Piezoelectricity, Transformers 03810
Filters, Recursibility, Testing, Linear programming 08736
Filters, Recursion, Robustness, Lie algebra 05471
Filters, Sensitivity, Boundary value problems 02390
Filters, Sensitivity, Signal processing, Graphs, Modeling 03787
Filters, Signal processing, Convergence 03802
Filters, Signal processing, Impulse response 02379
Filters, Signal processing, Time measurement 05462
Filters, Signal processing, Transmission, Switching, Voltage 00655
Filters, Signals, Image processing, Cutoff frequency, Ξ-filters 02381
Filters, Signals, Pulse code modulation, Distortion 00680
Filters, Specifications, Simulation, Computer aided design 07134
Filters, Stability, Algorithms 00646
Filters, Stability, Noise, Transfer functions 03778
Filters, Stability, Transfer functions, Delay 03796
Filters, Structural analysis, Theorem proving 08751
Filters, Switching, Capacitors, Simulation, Transformations 08741
Filters, Televisions, Signal transmission, Distortion 06163
Filters, Testing, Fault detection, Limit cycles 03814
Filters, Testing, Insertion loss 07144
Filters, Time measurement, Architecture 05453
Filters, Time measurement, Delay, FIR filters 07137
Filters, Transfer functions 07128
Filters, Transfer functions, Dissertation, Finite-word-length effects 00652
Filters, Transfer functions, Networks, Systems analysis 02396
Filters, Transformations, Dissertation, Finite multiplier wordlength error 02361
Filters, Transforms, Chinese remainder theorem, Rings, Recursion 02376
Filters, Transmission lines, Frequency, Fabrication, Performance 04829
Finite element method, Magnetic fields, Loops, Differential equations 06816
Finite element method, Magnetic fields, Plates, Metals, Numerical analysis 06824
Frequency, Coding, Converters, Voltage 07219
Frequency, Converters, Capacitors, Thermal variables measurement 07220
Frequency, Fault detection, Matrices, Algorithms, Dissertation 03817
Functions, Modules, Education, Overhead projection 02413
Gallium arsenide, Energy consumption, Radiation, Silicon, Radar 09301
Gallium arsenide, Field effect transistors, Frequency, Impedance 08071
Gallium arsenide, Semiconductors, Field effect transistors 01245
Gas lasers, Discharges, Design, Optimization, Relays 08988
Generators, Motors 03274

Circuitry, (continued)
Generators, Signal processing, Random processes, Noise, Memory 006
Geometry, Fabrication, Arithmetic circuits, Phasors 055
Germanium, Infrared, Thermal variables measurement, Bolometers 019
Graphs, Theorem proving 006
Gyrators, Filters, Supercapacitors, Inductance 024
Harmonics, Power systems, Semiconductors, Switches, Dissertation 065
Hotel industry, Energy consumption, Electric power transmission 033
Humidity, Sensors, Stability, Corrosion, Impedance 026
Image processing, Filtering, Arrays, Stability, Televisions 072
IMPATT diodes, Oscillators, Dynamics 088
Impedance, Transmission lines, Coupling 080
Impedance, Waveguides, Scattering, Electromagnetics 080
Indium, Bridges, Josephson effect, Charge 058
Induction generators, Excitation, Capacitors, Performance 081
Induction machines, Modeling, Electrostatics, Dissipation 032
Integrated circuits, Convolution, Area-time optimality, Computer aided design 012
Integrated circuits, Fabrication, Computer aided design, Dissertation 027
Integrated circuits, Fabrication, Oscillators, Frequency dividers 055
Integrated circuits, Random access memory, Redundancy, Design 055
Integrators, Amplifiers 071
Integrators, Differentiators 087
Interrupters, Electrodes, Voltage, Fuses 081
Inverters, Design, Optimization, Voltage, Performance 088
Inverters, Oscillation, Modeling 024
Inverters, Oscillation, Modeling 054
Inverters, Thyristors, Pulse generation, Commutation 065
Josephson junctions, Thermal noise, Computer aided analysis, Dissertation 090
Junction diodes, Microwaves, Power systems 000
Large scale integration, Bipolar devices, Optimization, Modeling, Oxidation 060
Large scale integration, Redundancy, Read only memory, Programming 044
Lasers, Fabrication, Logic circuits 039
Light, Detectors, Negative resistance, Couplers 089
Lightning, Voltage, Generators, Wave propagation 081
Limit cycles, Transformations 038
Limiters, Receivers, Design, Navigation, Tracking 094
Linear antennae, Impedance, Power, Algorithms 064
Linear systems, Failure, Iteration, Numerical analysis 087
Liquid crystals, Displays, Matrices, Electric power transmission, Fabrication 088
Local area networks, Channels, Performance, Modeling, Protocols 079
Local area networks, Channels, Protocols, Queueing theory, Dissertation 061
Logic circuits, Accessibility, Speed independent circuits 006
Logic circuits, Fabrication, Proof theory 044
Logic circuits, Fabrication, Routing 028
Logic circuits, Noise, Modeling 060
Logic circuits, Reciprocity, Passivity, Losslessness 024
Logic circuits, Sensitivity, Fault tolerance 006
Logic circuits, Structural analysis, Current 059
Machine tools, Robots, Precision engineering, Synchronization 020
Machinery, Synchronization, Waveforms, Computer programs, Simulation 000
Magnetic fields, Flux, Density, Finite element method, Numerical analysis 075
Magnetic fields, Induction, Electrical sheets 084
Magnetic fields, Magnetization, Perturbation, Inductance, Numerical analysis 050
Magnetic variables measurement, Pipelines, Inspection, Nondestructive testing 058
Magnetostatics, Oscillators, Transducers, Tuning 072
Mathematical models, Current voltage, Stability, Interrupter, Simulation 002
Mathematical models, Machinery, Rotors, Harmonics 000
Mathematical models, Microelectronics, Diagnostics, Conductance, Controllers 012
Mathematical models, Rotors, Generators, Frequency, Numerical analysis 065
Mathematical models, Terminals, Transmission lines, Fault detection 090
Matrices, Communication networks, Graphs, Sensitivity analysis, Multipliers 024
Memory, Design, Bias, Redundancy, Thermodynamics 058
Metal oxide semiconductors, Current voltage, Approximations, Simulation 060
Metal oxide semiconductors, Field effect transistors, Amplifiers 024
Metal oxide semiconductors, Field effect transistors, Interpolation, Simulation 012
Metal oxide semiconductors, Frequency, Generators, Voltage, Filters 071
Metal oxide semiconductors, Silicon on sapphire, Computer aided design 092
Metal oxide semiconductors, Transistors, Modeling, Inverters, Data bases 011
Metal oxide semiconductors, Transistors, Thermal variables measurement, Current 059
Microelectronics, Aircraft engineering, State of the art 021
Microelectronics, Computer aided design, Simulation 076
Microelectronics, Fabrication, Routing 028
Microelectronics, Testing, Fault detection, Built-in testing 076
Microelectronics, Very large scale integration, Technology, Economics 060
Microprocessors, Josephson junctions, Modeling, Transmission lines 042
Microprocessors, Random access memory, Fabrication 044
Microstrips, Fabrication, Computer aided design 016
Microwave devices, Computer aided design 000
Microwave devices, Fabrication, Computer aided design 064
Microwave devices, Filters, Frequency, Bandwidths 054
Microwaves, Computer aided design, Gallium arsenide, Field effect transistors 095
Microwaves, Excitation, Numerical analysis, Harmonics 000
Microwaves, Microstrips, Resonators, Numerical analysis 080
Military, Microelectronics, Testing, Fault detection 0764
Millimeter waves, Communications, State of the art, Book 064
Mixers, Performance, Pumping 0808
Modeling, Decomposition, Resistors, Capacitors, Diodes 0715
Modeling, Filters, Transfer functions, Stability 0546
Modeling, Iteration, Matrices, Signal processing, Numerical analysis 0551
Modeling, Semiconductors, Field effect transistors, Gallium arsenide 0118
Modeling, Systems analysis, Electromagnetic waves, Power systems 0176
Modeling, Terminals, Resistors, Controllers 0716
Modeling, Transmission lines, Current voltage, Impedance, Simulation 0330
Modems, Communication networks, Controllers, Automation 0302
Modems, Data transmission, Shift registers, Signal processing, Synchronization 0305
Modems, Signal transmission, Modulation 0319

itry, (continued)
dules, Terminals, Machine machine interactions, Plug compatibility 06889
nopoles, Antennae, Theoretical analysis 08096
nte Carlo method, Simulation, Electric variables control, Current voltage 06566
tors, Excitation, Performance, Control systems 08152
tors, Thyristors, Voltage, Control systems 07182
tors, Valves, Nuclear power plants, Control systems, Reliability 08144
ltipliers, Architecture 07161
tators, Logic, Circuit theory 07174
tworks, Curve fitting, Parameter estimation, Topology, Numerical analysis 05491
tworks, Field effect transistors, Ports, Signal processing, Dissertation 02774
tworks, Filters, Design, Network theory 07163
tworks, Filters, Resistors, Inductors, Capacitors 08797
tworks, Resistors, Inductors, Capacitors 02415
oise, Amplifiers, Circulators 02434
oise, Signal processing 09547
onlinearity, Dynamics, Spaces, Terminals, Controllers 02402
uclear reactors, Thermodynamics, Reliability, Monitoring, Safety 04977
umerical analysis, Mathematical models 08786
umerical analysis, Matrices, Mathematical models 08781
ffice automation, Electronic mail, Telecommunications 04627
perational amplifiers, Fault tolerance, Sensitivity 02424
ptics, Waveguides, Fabrication 04309
ptimization, Probability, Fault detection, Input 01254
scillators, Amplitude 08824
scillators, Design, Noise 08827
scillators, Eddy current, Inspection, Metrology 08819
scillators, Synchronization 08825
utput devices, Input devices, Optics, Microcomputers, Interfaces 00597
ackaging, Ceramics, Composite materials, Thermal variables control 06075
acket switching, Communication networks, Data transmission, Queueing theory 04582
acket switching, Local area networks, Integrated systems, Routing 02992
arallel circuits, Power transistors, Switching, Amplifiers, Resistors 07197
arallel processing, Architecture, Concurrency, Dissertation 04451
arameter estimation, Bifurcation, Computer aided analysis 07150
arameter estimation, Induction motors, Torque, Modeling 03279
artitioning, Logic, Gate arrays, Algorithms 01266
attern recognition, Communication networks, Structural analysis, Bench marks 03825
attern recognition, Vision, Semiconductors, Technology, Manufacturing 02871
erformance, Amplifiers, Filters 03842
hase shifts, Capacitors, Velocity, Voltage, Impedance 07181
hase shifts, Frequency 02418
iecewise linear circuits, Storage, Algorithms, Canonical forms, Dissertation 05490
iezoelectricity, Transducers, Voltage, Testing, Dissertation 09146
olymers, Thermal insulation, Electric variables measurement, Flames, Ceramics 06563
orts, Networks, Impedance, Power 08784
orts, Transmission, Numerical analysis, Passivity criterion, LTI networks 02410
ower, Dividers, Junctions 08085
ower plants, Structural analysis, Grounding systems, Computer aided analysis 01727
ower systems, Design, Stability, Control systems, Dissertation 08135
rivate automatic branch exchange, Coding, Decoding, Modulation, Codec 06389
rocessors, Transistors, Metal oxide semiconductors, Random access memory 09267
rogramming, Amplifiers, Attenuation, Buffers, Error 02429
rogramming, Filters, Structural analysis, Flow, Data processing 02359
roof theory, Decomposition, Filters 03791
ropulsion, Aircraft engineering, Solar energy, Simulation, Capacitors 04997
ulses, Displacement, Measurement, Transducers, Direction sensing 02403
adiation, Dosimetry, Electronics, Magnetic fields 03431
Random access memory, Fabrication, Photolithography 04488
Random access memory, Fabrication, Time measurement 04484
Random access memory, Fabrication, Time measurement 04489
Random access memory, Polysilicon, Fabrication 04487
Random access memory, Transistors, Optimization, Frequency, Control systems 04452
Read only memory, Metal oxide semiconductors, Voltage, Programming, Arrays 04510
Read only memory, Programming, Energy consumption, Strobing, Access 03741
Read only memory, Programming, Transistors, Random access memory 04455
Read only memory, Reliability, Fault tolerance, EPROM 03622
Recording systems, Magnetic tapes, Crosstalk, Density 05859
Relays, Fault detection, Current, Transformers 01874
Reliability, Failure, Stress, Current, Metals 05242
Reliability, Physics, Conductance, Design, Technology 07632
Research and development, Graph theory, Combinatorial mathematics, Japan 07159
Resistors, Grids 07246
Resistors, Theoretical analysis 07170
Rotors, Induction motors 03284
Rotors, Motors, Torque, Loading, Performance 04879
Routing, End-to-end blocking 07177
Routing, Telecommunications, Modules, Traffic, Economics 04619
Routing, Topology, Modeling, Research and development, Dissertation 02840
Ruby lasers, Pulse generation, Resonators, Switching 07372
Satellite communications, Transponders, Channels 09420
Semiconductor lasers, Modeling, Modulation, Packaged components 00963
Semiconductors, Diodes, Transistors 04372
Semiconductors, Software development, Interference, Thermodynamics, Simulation 05894
Sensors, Research and development, Channels, Metal oxide semiconductors 07507
Servomechanisms, Computer aided design, Microcomputers, Feedback, Reliability 05389
Shift registers, Fault detection, Self-checking circuits 07657
Signal processing, Control systems, Testing, Networks 07167
Signal processing, Digital systems, Filters, Synchronization, Multiplexing 09550
Signal processing, Frequency, Noise, Covariance, Modeling 07913
Signal processing, Noise, Distortion, Numerical analysis, Filters 00102
Signal processing, Petri nets, Modeling, Probability, Stochastic processes 03823
Signal processing, Receivers, Error, Simulation, Hue control 02943
Signal to noise ratio, Filters, Channels, Mathematical models 07890
Signal transmission, Telephones, Echo, Switching, Research and development 01464
Signals, Frequency Multipliers 07176

Circuitry, (continued)
Simulation, Filters, Quantization, Error 07111
Simulation, Functions, Current voltage, Waves, Loading 08186
Simulation, Modeling, Transformers, Magnetization, Structural analysis 01085
Spectral analysis, Density, Polynomials, Filters 09532
Speech transmission, Packet switching, Channels, Delay, Probability 07844
Stability, Feedback, Integrals, Manifolds 08537
Structural analysis, Magnetic variables control, Modeling, Graphs, Hysteresis 01950
Structural analysis, Polymers, Packaging, Composite materials 06074
Summation circuits, Amplifiers, Measurement errors, Phase shifts 00684
Surface acoustic waves, Schottky diodes, Storage, Voltage, Capacitance 09196
Switched capacitors, Filters, Amplifiers 02416
Switching, Capacitance, Arrays, Analog to digital conversion 08853
Switching, Capacitors, Algorithms, Computer aided analysis 00664
Switching, Capacitors, Filters, Design, Signal processing 05486
Switching, Capacitors, Filters, Research and development 08785
Switching, Capacitors, Noise, Sensitivity analysis, Computer aided analysis 05571
Switching, Capacitors, Waveforms, Input output, Difference equations 05485
Synthesis, Input output, Computer programs 00666
Telecommunications, Terminals, Switching, Testing, Research and development 06210
Telemetry, Fabrication, Transducers 07497
Telemetry, Pulse code modulation, Microprocessors, Signal processing, Storage 04594
Telemetry, Transducers, Biomedical engineering, Performance 06990
Telephones, Receivers, Design, Tone callers 07852
Telephones, Signal processing, Modulation 04645
Telephones, Signal processing, Optimization, Power systems 08359
Televisions, Color, Receivers, Phase locked loops, Computer aided control 02949
Televisions, Filters, Memory, Signal processing, Interference 02953
Televisions, Receivers, Transformers, Current voltage, Power consumption 09395
Thermal variables measurement, Insulators, Current, Polarization 00287
Thin films, Electric variables control, Displays, Voltage, Failure 08890
Time measurement, Filters, Signals, Jitter 03168
Time measurement, Oscillators, Amplifiers, Modeling 08735
Time measurement, Waveform generators 03868
Topology, Communication networks, Monotonicity, Inspection, Structural analysis 08793
Transducers, Acoustics, Radiators, Dissertation 09143
Transfer functions, Differential transforms 05489
Transfer functions, Fault detection 08776
Transformations, Current voltage, Controllers, Numerical analysis 00672
Transistors, Bipolar devices, Design, Performance 09264
Transistors, Current, Parameter estimation, Modeling 01166
Transistors, Transformers, Current voltage 03458
Transistors, Voltage, Channels, Data collection 08717
Transmission lines, Optics, Modulation, Admittance, Numerical analysis 04301
Traveling wave tubes, Electron beams, Magnetic fields, Signal processing 08860
Tuning, Controllers, Phase locked loops, Metal oxide semiconductors 03198
Turbogenerators, Current voltage, Leakage, Saturation, Computer aided analysis 04890
Variance, Sampling methods, Estimation, Approximations, Statistical analysis 04496
Verification, Testing, Error, Logic, Arrays 07655
Very large scale integration, Filters, Technology, Structural analysis 06041
Very large scale integration, Technology, Semiconductors, Fabrication 07620
Vision, Systems analysis, Mathematical models, Integrodifferential equations 05338
Voltage, Controllers, Automotive engineering 08799
Voltage, Electric variables control, Calorimeters 08418
Voltage, Generators, Charge, Switching 06774
Voltage, Mathematical models, Electric power generation, Polymers 05564
Voltage, Resistors, Inductors, Diodes, Simulation 07184
Wave propagation, Electromagnetic fields 02449
Wire processing, Assembling, Technological forecasting, Materials testing 06076

Civil engineering,
Hydroelectric power generation, Control systems, Storage, Pumps 06606
Pipes, Data bases, Reliability, Stress, Mechanical strength 02636
Structural analysis, Loading, Elasticity, Acoustic variables measurement 03524

Classification,
Coding, Waveforms, Vectors, Speech recognition, Dissertation 06371
Communication networks, Permutation, Control systems, Modeling 09299
Electric power generation, Production planning, Power plants 01842
Failure, Integrated circuits, Structural analysis 04448
Forestry, Resource management, Satellite communications 02248
Image processing, Environmental protection, Resource management 02198
Image processing, Remote sensing, Feature extraction, Filtering, Performance 07025
Image processing, Spectral analysis, Remote sensing, Dissertation 05346
Magnetic tapes, Video systems, Standards 09377
Mapping, Photogrammetry, Resource management, Pattern recognition, Density 02255
Mapping, Remote sensing, Image processing, Satellite communications 02208
Mathematical models, Current voltage, Buses 01872
Pattern recognition, Seismology 00557
Pattern recognition, Signal processing, Artificial intelligence 06340
Pattern recognition, Syntax, Geology, Signal processing, Dissertation 03702
Performance, Optical storage, Disks 01517
Product development, Internal combustion engines, Performance, Stirling engines 01706
Radar, Targets, Signal to noise ratio, Dissertation 09513
Remote sensing, Information systems 07037
Resource management, Identification, Mapping, Spectral analysis, Scanning 05358
Satellite communications, Clustering, Remote sensing, Geography, LANDSAT 1 00541
Signal processing, Electromagnetic fields, Waveguides, Wave propagation 03477
Solar cells, Thermal variables measurement, Absorption, Surface properties 02518
Spacecraft, Pattern recognition, Data collection, Tracking, Simulation 05364
Technology, Electrooptics, Disks, Optical storage 01492
Video systems, Standards 08887
Wildland classification, Resource management, Ecology, Numerical analysis 02172

Clinical medicine,
Biomedical engineering, Ultrasonics, Imaging, Cardiovascular system 05296
Cardiovascular system, Medical electronics, Signal processing 03673
Cardiovascular system, Monitoring, Fetal heart rate 00519
Computed tomography, Radiation dosimetry, Cameras, Imaging 02132

Clinical medicine, (continued)
- Data collection, Forms management, Design, Printers, Lasers 02126
- Electromagnetics, Heat treatment, Thermal variables measurement 03666
- Imaging, Pattern recognition, Mathematical models 05297
- Medical electronics, Imaging, Tumors 05302
- Online systems, Radiology, Data collection, Tektronix 4054 05294
- Radiology, Tumors, Metabolism, Neutron activation analysis, Radiation dosimetry 02129
- Simulation, Tissues, Hyperthermia, State of the art 05341
- Tissues, Simulation, Hyperthermia, Thermal variables measurement 05342
- Tissues, Ultrasonics, Absorption, Microwaves, Liver 02162
- Tissues, Ultrasonics, Blood, Fluid mechanics, Radiology 02161
- Ultrasonics, Image processing, Diseases, Dissertation, Liver disease 08629

Closed loop systems,
- Control, Quantization, Pulse code modulation 06909
- Control theory, Satellites, Attitude control 08561
- Transfer functions, Feedback, Control 05229

Coal,
- Cogeneration, Power plants, Fuels, Design, Research and development 06646
- Electric power generation, Hydrogen, Acids, Electrochemistry, Nuclear energy 03323
- Electric power generation, Nuclear energy, Economics, Modeling, Maintenance 06613
- Electric power generation, Switchgear, Transformers, Reliability 00135
- Mining, Resource management, Mapping 02231

Coal gasification,
- Energy conversion, Electric power generation, Resource management 06680

Coal mining,
- Communications, Noise, Magnetic variables measurement 06854

Coatings,
- Chromium dioxide, Magnetic tapes, Recording systems, Noise 05866
- Cobalt, Electrodes, Phosphates 03904
- Corrosion resistance, Metals, Seawater, Additives, Surface protection 03325
- Defects, Disks, Magnetics, Recording systems 05877
- Dielectrics, Current voltage, Schottky diodes, Temperature, Barrier heights 09173
- Dielectrics, Waveguides, Resonators, Antennae 04358
- Energy loss, Bending, Dielectric constants, Light transmission 02650
- Fabrication, Refractive indices, Waveguides 07481
- Fiber optics, Cables, Elasticity, Buckling, Adhesives 07696
- Fiber optics, Mechanical strength, Fusion splices 09393
- Filters, Transmittance, Reflectance, Passbands, Scattering 00868
- Fretting, Corrosion, Contacts 07231
- Fuel cells, Photoelectrochemistry, Electrodes, Semiconductors 00182
- Fuel cells, Surface properties, Chemical variables control 06648
- Fuels, Thermodynamics, Walls, Structural analysis, Magnetic variables control 08464
- Gold, Palladium, Connectors 03886
- Inspection, Electromagnetic fields, Packaged components, Nondestructive testing 00615
- Insulators, Friction, Boundary layers, Loading 02667
- Insulators, Wire processing, Current voltage, Electromagnetic waves 04823
- Integrated circuits, Reliability, Adhesion, Black oxides 02864
- Lasers, Mirrors, Surface roughness 07416
- Lead, Polishing, Superconductivity, Resonators, Particle accelerators 04324
- Magnetic tapes, Recording systems, Audio systems 05876
- Mechanical strength, Fiber optics, Fabrication, Testing 09365
- Mercury cadmium telluride, Photoconductivity, Detectors, Performance 05592
- Mercury, Porosity, Structural analysis, Magnetic tapes 05863
- Microwaves, Irradiation, Thermography, Dissertation 00040
- Nickel, Electrodes, Charge, Thermal variables measurement 08308
- Optical properties, Photovoltaics, Solar energy, Research and development 06663
- Osmium, Cathodes, Design, Emissions 08858
- Oxidation, Polymer, Protection 01514
- Photovoltaics, Charge carriers, Photoconductivity 02503
- Polarization, Dye lasers, Gain, Cavities 00910
- Polyimides, Insulators, Electric power distribution, Wire processing 03891
- Potentiometers, Electrodes, Fabrication, Dissertation 01918
- Printed circuit boards, Integrated circuits, Packaged components, Soldering 02786
- Semiconductor lasers, Noise, Reflectivity, Surface properties 00947
- Semiconductors, Sensors, Electrodes 02002
- Silicon, Solar cells, Voltage, Optimization 03935
- Solar cells, Plating, Ions 00224
- Solar collectors, Chemical vapor deposition, Silicon, Energy conversion 03948
- Space technology, Wire processing, Thermal insulation, Mechanical strength 05548
- Steel, Copper, Nickel, Electrodeposition, Corrosion 03555
- Surface properties, Lasers, Optics, Technology, Measurement 09033
- Teflon, Bonding, Structural analysis, Modeling, Batteries 00184
- Thickness measurement, Gauges, Photodetectors, Infrared, Visible range 05668
- Thin films, Film growth, Kalman filters, Signal processing 07896
- Titanium, Electrodes, Corrosion prevention, Chlorate cells 03341
- Viscoelasticity, Underwater technology, Acoustics, Absorption, Resonance 00349

Coaxial cables,
- Resonators, Dielectrics, Impedance, Microelectronics 00050
- Transmission lines, Frequency, Spectral analysis 01041

Cobalt,
- Alloys, Samarium, Magnetization, Heat treatment, Kerr effect 05853
- Chromium, Recording systems, Magnetics, Performance 05879
- Crystal defects, Radiation, Alloys, Mossbauer spectroscopy 00371
- Electrodes, Acetate, Concentration, Capacitance, Impedance 07251
- Electrodes, Coatings, Phosphates 03904
- Films, Chromium, Magnetics, Recording systems 05880
- Recording systems, Magnetics, Surface properties, Hydrothermal processes 05867

Codes,
- Algorithms, Redundancy, Data transmission, Frequency 07967
- Channels, Error, Probability, Distortion 03172
- Channels, Error, Probability, Modeling, Dissertation 04788
- Convolutional codes, Quantization, Boundary value problems, Algorithms 03179
- Feedback, Channels, Access, Noise, Signal processing 09564
- Fiber optics, Communications, Data transmission 04548
- Filters, Product memories 05446
- Groups, Monomials, Vectors, Weighting 06367

Codes, (continued)
- Mapping, Channels, Matching 0
- Optimization, Embedding 0
- Pattern recognition, Matching, Algorithms, Machinery 0
- Performance, Channels, Input output, Noise 0
- Procedures, Transmission lines, Cables, Voltage 0
- Signal processing, Modulation, Amplitude 0
- Vectors, Weighting, Distributions, Numerical analysis 0
- Video systems, Data transmission, Televisions 01

Coding,
- Access, Channels 0
- Arithmetic, Markov processes, Modeling, Data transmission, Matching 07
- Arithmetic, Multiplexers 0
- Biomedical engineering, Signal processing, Data collection, Minicomputers 0
- Broadcasting, Teletext, Protocols, Computer graphics, Terminals 0
- Channels, Parameter estimation, Two-way channels 07
- Circuitry, Fault detection, Design, Automatic testing 0
- Color, Video systems, Image processing 07
- Communication networks, Access, Performance, Data transmission, Sequences 0
- Communication networks, Channels, Loops, Economics 01
- Communication networks, Queueing theory, Delay, Dissertation 0
- Computer aided analysis, Channels, Memory, Input, Pulses 05
- Converters, Frequency, Signal processing, Synchronization, Error 05
- Data bases, Boundary value problems, Image processing, Reconstruction 06
- Data collection, Oceanography, Seismology, Signal processing, Data compression 02
- Data compression, Waveforms, Quantization, Design, Dissertation 07
- Data transmission, Privacy, Encryption, Williams public-key encryption 04
- Decoding, Circuitry, Modulation, Codec 06
- Eddy current, Distributions, Surface properties, Magnetic fields 05
- Electromagnetics, Diffraction, Modulation, Lattices, Dissertation 08
- Error, Performance, Microprocessors, Channels, Interleaving 03
- Error, Performance, Signal processing, Decoding 07
- Filters, Receivers, Signal to noise ratio, Decision making 09
- Fourier transforms, Signal processing, Noise 03
- Frequency, Converters, Circuitry, Voltage 07
- Frequency, Phase shift keying, Modulation 06
- Frequency, Signal processing, Phase shift keying, Amplitude, Waveforms 03
- Gain, Communications, Signal processing 07
- Gaussian sources, Quantization, Simulation, Dissertation 04
- Hadamard transforms, Spectral analysis, Orthogonality 06
- Image processing, Data compression 08
- Image processing, Displays, Optics, Noise, Dissertation 06
- Image processing, Distributions, Signal to noise ratio, Statistical analysis 06
- Image processing, Error, Demodulation, Reliability, Quality control 03
- Image processing, Operators, Pixels, Functions, Filtering 03
- Image processing, Optical communications, Processors, Color 07
- Image processing, Partitioning, Pel Adaptive DPCM Coding 01
- Image processing, Pattern recognition, Structural analysis, Data transmission 00
- Image processing, Signals, Filters, Markov processes 06
- Integrated circuits, Filters, Prediction, Speech synthesis, Dissertation 01
- Magnetic storage, Error correcting codes, Fire codes 06
- Metal oxide semiconductors, Read only memory, Arrays, Redundancy, Programming 04
- Microcomputers, Input, Interfaces 07
- Mobile systems, Multiple access systems, Spread spectrum communications 04
- Modeling, Interference, Channels, Transmission 07
- Modulation, Channel capacity, Pulse generation, Channels, Fiber optics 01
- Modulation, Speech recognition, Signal transmission, Performance, Delay 07
- Modulation, Voltage, Spectral analysis, Data transmission, Frequency 06
- Multiplexing, Speech recognition, Frequency, Bandwidths, Orthogonality 06
- Multiplexing, Spread spectrum communications, Signal transmission 09
- Noise, Channels, Dissertation 047
- Noise, Receivers, Design, Fiber optics, Signal transmission 07
- Optical analysis, Frequency, Modulation, Diffraction gratings 00
- Optics, Signal processing, Fourier analysis, Diffraction, Dissertation 05
- Pulse code modulation, Signal transmission, Security, Military 047
- Pulse code modulation, Transformations, Image processing, Algebra, Algorithms 079
- Receivers, Frequency, Phase shift keying, Demodulation, Performance 095
- Reconstruction, Image processing, Waveforms, Radar 047
- Recording systems, Magnetic variables measurement, Machinery 075
- Redundancy, Data compression, Facsimile systems 094
- Remote sensing, Segmentation, Image processing, Conference 089
- Research and development, Speech transmission, Pattern recognition 046
- Satellite communications, Modulation, Channels, Noise, Performance 095
- Satellite communications, Optics, Data transmission, Performance, Modeling 079
- Satellite communications, Signal processing, Transformations, Modulation 012
- Satellite communications, Signal transmission, Rain attenuation 079
- Satellite communications, Software packages, Simulation, Channels, Modulation 078
- Satellite communications, Time measurement, Signal processing, Control systems 036
- Search strategies, Flowcharts, Receivers, Modeling, Statistical analysis 095
- Sequences, Signal processing, Estimation, Pulse code modulation, Redundancy 047
- Sequences, Synchronization, Error 063
- Signal processing, Channels, Demodulation, Noise, Density 095
- Signal processing, Color, Televisions, Integrated circuits, Filtering 029
- Signal processing, Communication networks, Synchronization, Channels 031
- Signal processing, Integrated circuits, Filters, Televisions, Modulation 029
- Signal processing, Lasers, Videodisks, Modulation 025
- Signal processing, Probability, Channels 063
- Signal processing, Pulse code modulation, Estimation, Filtering, Simulation 079
- Signal processing, Robustness, Detection, Metrics, Channels 031
- Signal processing, Speech recognition, Noise 031
- Signal processing, Speech synthesis, Image processing, Telecommunications 015
- Signal processing, Speech transmission, Filters, Data compression 031
- Signal processing, Speech transmission, Military, Bandwidths, Dissertation 047
- Signal processing, Transforms, Speech synthesis, Identification, Dissertation 063
- Signal transmission, Channels, Modulation 063
- Signal transmission, Error, Control systems, Robustness, Reliability 079

ding, (continued)
ignal transmission, Performance, Transforms, Frequency 07958
ignal transmission, Teleconferencing 07723
ignals, Demodulation, Televisions 09398
imulation, Ultrasonics, Transducers, Calibration, Nondestructive testing 03511
peech recognition, Integrated circuits, Metal oxide semiconductors 04505
peech recognition, Markov processes, Modeling 01482
peech synthesis, Signal processing, Parameter estimation, Dynamic programming 01585
peech transmission, Modulation, Unity-bit coders 04795
tructural analysis, Signal processing, Satellite communications, Multiplexing 02886
ystems design, Optical storage, Error correcting codes 01503
eletext, Multiplexing, Broadcasting, Music, Data transmission 02959
elevisions, Color, Signal processing, Error correcting codes, Automation 01566
elevisions, Image processing, Sound propagation, Channels, Synchronization 01384
elevisions, Signal processing, Color, Broadcasting, Quality control 07779
elevisions, Signal processing, Memory, Delay, Descrambling 06164
elevisions, Signal transmission, Channels, Transforms, Bandwidth compression 07957
elevisions, Signal transmission, Quality control, Filtering 02965
elevisions, Signals, Pulse code modulation 09587
elevisions, Signals, Quantization, Analog to digital conversion 01386
ransforms, Imaging, Modeling 05665
ideotex, Standards, Protocols, Syntax, Research and development 06089
Vaveforms, Vectors, Speech recognition, Classification, Dissertation 06371
generation,
Cement industry, Production control, Fuel efficiency, Energy conservation 08140
Electric power distribution, Energy sources, Safety, Reliability 04909
Electric power generation, Fuel cells 08296
Electric power transmission, Industrial waste disposal, Protection, Waste heat 03299
Energy recovery, Waste heat, Paper industry, Cost benefit analysis, Cables 01696
Power plants, Fuels, Coal, Design, Research and development 06646
il winding machines,
Anemometers, Flow of gases, Sensors, Automotive engineering 02003
Armatures, Synchronous machines, Impedance, Modeling 06507
Automation, Programming, Electronic equipment 01674
Connectors, Generators, Symmetry 00088
Energy conversion, Electric power generation, Superconductivity 04250
Force, Balancing, Damping 01999
nduction motors, Failure, Electromagnetics, Finite element method 04874
Magnetic fields, Transformers, Steel, Finite element method 01086
Magnetic variables control, Numerical analysis, Magnetic deflection yoke 03498
Magnetics, Harmonics, Deflection, Numerical analysis 02673
Magnetics, Transformers, Televisions, Receivers 04349
Magnets, Linear accelerators, Superconductivity, Cost benefit analysis 04126
Magnets, Superconductivity, Flux, Magnetic fields 04124
Motors, Flux, Hysteresis 00076
Pulse generation, Tokamaks, Plasmas, Superconductivity 04254
Signal converters, Power supply, Pulse generation, Waveforms 00068
Smoothing, Synchronous motors, Power supply 01714
Stepping motors, Drives, Automatic control 04877
Stress, Thermal insulation, Ageing, Electric variables control 00718
Superconductors, Current voltage, Compensators, Control systems 04248
Tensile strength, Superconductivity, Solenoids, Magnets 04147
Transducers, Joints, Welding, Pipes, Magnetic variables measurement 01079
Voltage, Surges, Armature, Modeling 01717
llimators,
Neural system, Computer aided analysis, Image processing, Computed tomography 00521
lor,
Cartography, Mapping, Image processing, Scanning, Topology 02188
Cathode ray tubes, Televisions, Lenses, Computer aided design, Electrodes 02954
Circuitry, Televisions, Receivers, Phase locked loops, Computer aided control 02949
Coding, Televisions, Signal processing, Error correcting codes, Automation 01566
Computer graphics, Computer aided design, Structural parts, Image processing 07099
Computer graphics, Finite element method, Electromagnetic fields 06830
Computer graphics, Televisions, Broadcasting, Technology 04577
Computer graphics, Vision, Alphanumerics, Magnetic storage, Typography 02940
Displays, Computer graphics, Perception, Image processing, Dissertation 02566
Displays, Flight control systems, Military aircraft 06948
Displays, Gases, Cathode ray tubes, Circuitry, Televisions 08899
Displays, Receivers, Image processing, Modeling, Statistical analysis 03969
Displays, Testing, Jet engines, Computer aided analysis 00459
Filtering, Detection, Optical communications, Pattern recognition 07904
Holography, Source encoding, Image processing 05774
Image processing, Displays, X-rays, Cameras 03453
Image processing, Distributions, Operators, Liquid crystals, Light valves 02530
Image processing, Optical communications, Processors, Coding 07331
Image processing, Vision, Pattern recognition, Perception 08893
Optical communications, Information processing, Encoding, Systems analysis 07325
Pattern recognition, Sensors, Automation engineering 05227
Pattern recognition, Systems design, Portability 08639
Printers, Ink, Spectral analysis, Quality control, Thermal variables control 08946
Satellites, Remote sensing, Instrumentation, Calibration 03695
Scanners, Performance, Dissertation 08920
Sensors, Semiconductors, Silicon, Photodiodes 08930
Signal processing, Televisions, Integrated circuits, Filtering, Coding 02958
Sonar, Televisions, Underwater technology 07880
Stability, Liquid crystals, Displays, Polarization, Performance 08900
Switching, Memory, Polymers, Conductors, Electrooptics 00839
Technology, Displays, Televisions, Colorimetry 06168
Televisions, Cameras, Frequency, Quality control, Integrated circuits 02951
Televisions, Coding, Signal processing, Broadcasting, Quality control 07779
Televisions, Displays, Filters, Prisms 04575
Televisions, Displays, Quality control 01390
Televisions, Focusing, Masks, Image processing 03907
Televisions, Signal transmission, Error, Differential phase 04578
Televisions, Signals, Coding, Analog to digital conversion 01386
Televisions, Standards, Ships 07774

Color, (continued)
Televisions, Yoke design, Optics, Picture tubes, Displays 02484
Video systems, Image processing, Coding 07711
Vision, Time measurement, Information processing, Sociology, Dissertation 03995
Visual perception, Information processing, Mathematical models 05336
Combustion,
Acoustics, Entropy, Magnetohydrodynamics, Generators, Waves 04968
Acoustics, Stability, Pressure, Oscillation, Dissertation 03515
Cables, Materials testing, Epoxy resins 08180
Deformation, Arcs, Insulators 02471
Diffusion, Electric fields, Oxidation, Air pollution 08441
Electric power generation, Coal, Fuel cells, Heat transfer, Systems analysis 08294
Electrochemistry, Catalysts, Electrodes, $\mathrm{Me^{I}Me_2^{II}S_4}$ 05139
Electrons, Magnetohydrodynamics, Interferometry, Faraday rotation 00164
Engines, Sensors, Controllers, Thin films, Performance 07504
Flames, Flow, Oxidation, Electric fields 08442
Flowmeters, Laser Doppler velocimetry, Refractive indices 02609
Fluidized beds, Solar collectors, Heating systems, Flow of gases 01830
Furnaces, Automatic control, Integrated circuits, Switching, Semiconductors 02794
Insulators, Fire retardants, 1,2-polybutadiene, Resins 03889
Integrated circuits, Thyristors, Ignition, Phase locked loops 00675
Internal combustion engines, Modeling, Compression testing, Fuels 04860
Lasers, Research and development, Industry, Laboratories, Gases 05784
Monitoring, Microcomputers, Boilers, Power plants, Systems design 05005
Noise levels, Thermal variables control, Hydrogen, Fuel technology 05102
Polymers, Cables, Insulators 07471
Propellants, Mixing, Power plants, Flow, Optics 05785
Protection, Electronic equipment, Pressure measurement, Fireproofing 03892
Satellites, Radiometers, Offshore structures, Remote sensing, Oceanography 03435
Sensors, Color, Silicon, Photodiodes 08930
Thermal variables control, Electric fields, Atomic structure, Dissertation 00305
Turbines, Testing, Remote control 08179
Turbulent flow, Measurement, Lasers, Velocimeters 02604
Combustion products,
Arrays, Filters, Electric fields, Mathematical models 03783
Epoxy resins, Transformers, Chemical variables measurement 01088
Exhaust gases, Diesel engines, Electrostatic precipitators 03263
Granular materials, Erosion, Electrostatics, Precipitators 01601
Commerce,
Forecasting, Floppy disks, Disk drives 02309
Forecasting, Output devices, Large scale printers, Costs 03732
Marketing, Microcomputers, Video systems, Televisions 05558
Communication networks,
Access, Channels, Signal transmission, Noise, Dissertation 04777
Access, Data communications, Switching 04615
Access, Economics, Online systems, Programming languages, Data bases 02997
Access, Performance, Data transmission, Coding, Sequences 09559
Access, Protocols, Channels, Allocation, Data transmission 06357
Access, Radio communications, Simulation, Routing, Packet switching 01309
Access, Synchronization, Modulation, Error, Signal to noise ratio 03194
Admittance, Impedance, Circuitry, Transmission lines 04778
Airlines, Data processing, Interactive systems, Traffic, Scheduling 02981
Algorithms, Control systems, Topology, Routing, Microcomputers 02985
Algorithms, Flow, Routing, Packet switching, Problem solving 04517
Algorithms, Simulation, Logic, Delay, Metal oxide semiconductors 05924
Approximations, Electric power generation, Modeling, Security, Flow 08250
Architecture, Ethernet 04465
Architecture, Integrated systems, Modules, Multiplexing, Mexico 00148
Architecture, Packet switching, Local area networks, Expressnet 04667
Architecture, Packet switching, Transmission, Routing, MININET 04784
Architecture, Protocols, Specifications 09440
Architecture, Signal transmission, Circuitry, Channels, Distributed systems 03167
Architecture, Traffic, Software development, Machine machine interactions 04595
Banking, Data processing, Accounting, Packet switching 03029
Banking, Data transmission, Speech transmission, Citibank 06147
Banking, Videotex, Data processing, Systems design 09396
Broadcasting, Packet switching, Batch processing, Protocols 01426
Buses, Channels, Storage, Software development, Assembly language 04979
Business, Data processing, Computer aided manufacturing, Distribution 02983
Capacitors, Filtering, Metal oxide semiconductors, Noise, Dissertation 05467
Channels, Data structure, Filters, Equalizers, Dissertation 06223
Channels, Signal to noise ratio, Modeling, Interference, Dissertation 06222
Channels, Signal transmission, Control 01574
Circuitry, Amplifiers, Loading, Noise, Design 00671
Circuitry, Control systems, Flow, Traffic, Simulation 04580
Circuitry, Modulation, Attenuation, Diodes, Volterra series 08774
Circuitry, Theorem proving, Integrals 08777
Classification, Permutation, Control systems, Modeling 09299
Coding, Channels, Loops, Economics 01448
Compatibility, Multiprocessors, Transmission, Switching, S/NET 04633
Computer aided control, Optimization, Security, Economics, Transmission lines 08182
Computer aided control, Switches, Channels, Signal processing 07947
Computer aided design, Packet switching, Simulation, Software packages, Traffic 08000
Computer aided design, Simulation, Modeling, Decomposition, Algorithms 07823
Computer graphics, Displays, Air traffic control, Reliability 03093
Control systems, Access, Random processes, Delay, Numerical analysis 09595
Control systems, Protection, Fault tolerance 00592
Control systems, Standards, Signal processing, Interference 02891
Cryptography, Key management, Galois fields, Circuitry, Algorithms 01575
Data communications, Government policies, Developing nations 07810
Data communications, Local area networks, Ethernet 03737
Data communications, Productivity, Cost benefit analysis 02310
Data processing, Marine engineering, Navigation, Online systems, Microcomputers 03090
Data processing, Protocols, Data base management systems, Microprocessors 06244
Data processing, Worldwide network, Political science, Technology 01294
Data transmission, Channels, Feedback, Noise, Convergence 09319

Communication networks, (continued)
Data transmission, Channels, Synchronization, Control systems, Algorithms 07919
Data transmission, Diagnostics, Control, Case studies 03031
Data transmission, Modems, Channels, Leased lines, Resource management 01581
Data transmission, Packet switching, Architecture, DATAKIT 04638
Data transmission, Speech transmission, Packet switching, Traffic 07849
Data transmission, Speech transmission, Systems design, Rolm CBX II 04621
Data transmission, Switching, Architecture 06215
Decomposition, Reliability, Graphs, Algorithms, Matrices 05238
Design, Multiplexing, Packet switching, Circuitry, Routing 06255
Distributed systems, Circuitry, Switching, Access, Channels 06400
Distributed systems, File management, TECNET 09439
Distributed systems, Terminals, Signal transmission, Traffic, Access 06119
Economics, Design 03027
Education, Switching, Capacitors, Filters, Simulation 02352
Electronic mail, Office automation, Organization and methods, Problem solving 09450
Electronic mail, Technology 09442
Error, Probability, Modulation, Phase shift keying, Noise 06177
Error, Probability, Signal processing, Performance, Noise 07820
Estimation, Poisson processes, Optimization, Flow, Modeling 06352
Ethernet, Systems analysis 05409
Facsimile systems, Data compression, Redundancy, Coding 09434
Facsimile systems, Packet switching, Protocols 09462
Facsimile systems, Retail industry, Cost benefit analysis, State of the art 03033
Failure, Decomposition, Probability, Modeling, Dissertation 06099
Failure, Electrostatics, Protection 07561
Fault detection, Circuitry, Identification, Topology, Numerical analysis 03830
Fault detection, Testing, Counters 09297
Fiber optics, Architecture, Economics 07741
Fiber optics, Cable television, Pacific Telephone and Telegraph 07724
Fiber optics, Cable television, State of the art 07748
Fiber optics, Integrated systems, Interfaces, Sensors, Process control 04551
Fiber optics, Performance, Computer aided design, Economics, Data bases 09337
Fiber optics, Radios, Planning, Australia 04549
Fiber optics, Sensors, Technology, Industry, Research and development 04340
Fiber optics, Signal transmission, Technology, Trunks 02928
Fiber optics, Speech recognition, State of the art 07729
Field effect transistors, Amplifiers, Topology, Microwave devices 03852
Filters, Capacitors, Oscillators, Transfer functions, Dissertation 06390
Filters, Graphs, Signal processing, Delay, Dissertation 05481
Filters, Partitioning, Matrices, Waves, Numerical analysis 03788
Filters, Scattering, Estimation, Algorithms, Modeling 08758
Filters, Signal processing, Performance, Channels, Noise 01546
Filters, Switching, Capacitance, Metal oxide semiconductors 02354
Finance, Government agencies, Electronic funds transfer, Automation 02986
Frequency, Access, Channels, Speech transmission, Televisions 06166
Frequency, Circuitry, Computer aided analysis, Modeling 00049
Functions, Fault detection, Transformations, Circuitry, Logic 00668
Gallium arsenide, Microwave devices, Amplifiers, Computer aided design 03843
Government agencies, Research and development, Pentagon 00498
Government policies, Economics, Australia 04519
Government policies, Standards, Performance, ARPANET 01419
Hotel industry, Electronic mail, Videotex, Midland Hotel 07837
Information processing, Distributed systems, Modeling, Protocols, Dissertation 06013
Information retrieval, Fiber optics, EPCOT Center 07731
Integrated circuits, Microwave devices, Interactive systems, Computer programs 07619
Integrated circuits, Switching, Distributed systems, Structural analysis 01446
Integrated systems, Signal transmission, Performance, Error, Delay 04663
Integrated systems, Switching, Data transmission, Technological forecasting 06205
Integrated systems, Terminals, Channels, Office automation, Buffers 01425
Interactive systems, Access, Systems design 07079
Interfaces, Channels, Integrated systems, Transmission lines, Pulses 03163
Interfaces, Plug compatibility, Internet 05412
Interfaces, Speech transmission, Packet switching, Systems development 01473
Lasers, Marine engineering, Filters, Optics, Submarines 05468
Local area networks, Architecture, Interfaces, Plug compatibility 05413
Local area networks, Interconnection, Access, Multiplexing, SILK 04634
Local area networks, Office automation, Dow Chemical 09444
Local area networks, Packet switching, Data transmission, Cambridge ring 04635
Local area networks, Plug compatibility, Mainframes, Minicomputers 05411
Local area networks, Plug compatibility, Protocols, Standards 05414
Local area networks, Protocols, Error 04636
Local area networks, Protocols, Signal transmission, Packet switching 04632
Local area networks, Technology, State of the art 05416
Local area networks, Transmission, Systems analysis 07098
Logic, Adder subtractors, Modules, Integrated circuits, Dissertation 05991
Logic circuits, Metal oxide semiconductors, Fault detection, Dissertation 02856
Machine machine interactions, Access, Security 02291
Machine machine interactions, Data transmission, Architecture, Graph theory 02292
Management, Data processing, Reliability, Productivity, Economics 03019
Management information systems, Telephones, Diagnostics, Modems, Architecture 02998
Management, Monitoring, Infotron ANM-800 06218
Management, Quality control, Systems analysis 03022
Management, Technology, Resource management, Office automation 01293
Marketing, Government regulations, Satellite communications, Channels 07796
Mathematical models, Finite element method, Simulation, Motors, Mathematics 01682
Matrices, Graphs, Sensitivity analysis, Multipliers, Circuitry 02404
Matrices, Voltage, Synthesis, Algorithms 03831
Metal oxide semiconductors, Integrated circuits, Signal processing, Delay 06028
Microwave devices, Path location, Wave propagation, Interference, Hungary 01454
Mobile systems, Radios, Architecture, Algorithms, Simulation 07685
Modeling, Computer programs, Education 07154
Modeling, Traffic, Matrices, Data transmission, Performance 01424
Modems, Controllers, Circuitry, Automation 03024
Multiplexing, Minimization, Decision making, Trees, Algorithms 06397
Multiprocessors, Packet switching, Controllers, Delay, Loading 06269

Communication networks, (continued)
Neurophysiology, Channels, Distortion, Controllers, Signal processing 05
Office automation, Data transmission, Speech transmission, Economics 03
Office automation, Security, Controllers, Microprocessors, Modems 05
Office automation, Security, Cryptography 02
Office automation, Speech synthesis, Text editing, Information retrieval 07
Office automation, Terminals, Portability 02
Office automation, Word processing, Electronic mail 03
Office automation, Word processors, Plug compatibility, Standards 061
Optimization, Simulation, Filters, Impedance, Amplifiers 00
Optimization, Traffic, Heuristics, Design, Integer programming 06
Packet switching, Architecture 07
Packet switching, Broadcasting, Speech transmission, Fault tolerance, Error 01
Packet switching, Circuitry, Data transmission, Queueing theory 04
Packet switching, Data transmission, Congestion probability 04
Packet switching, Data transmission, Modeling 01
Packet switching, Distributed systems, Reliability, Routing, Queueing theory 04
Packet switching, Microprocessors, Logic, Arrays, Programming 04
Packet switching, Plug compatibility, Integrated systems, Formatting 06
Packet switching, Protocols, Interactive systems, Architecture 07
Packet switching, Radios, Signal transmission, Protocols, Terminals 07
Packet switching, Speech transmission, Data processing, Synchronization, Delay 07
Packet switching, Standards, Software development, Technology 03
Packet switching, Traffic, Speech transmission, Data processing, Protocols 07
Pattern recognition, Circuitry, Structural analysis, Bench marks, Dissertation 03
Personal computers, Machine machine interactions, Mainframes, Data bases 037
Personal computers, Software development, Facsimile systems 094
Poisson processes, Signal transmission, Modeling 012
Private branch exchange, Architecture, Switching, Plug compatibility 094
Private branch exchange, Office automation, Peripheral devices, Economics 070
Probability, Distributions, Buses, Random variables, Data processing 002
Problem solving, Matrices, Nodes, Factor analysis 001
Processors, Memory, Buses, Modules, Standards 053
Protocols, Arrays, Control systems, Customer services 029
Protocols, Control systems, Data transmission, Scheduling, Dissertation 037
Protocols, Converters, Terminals, Printers, Switching 087
Protocols, Data transmission, Control systems, Broadcasting 047
Protocols, Failure, Partitioning, Modeling, Dissertation 037
Protocols, High level languages, Programming, Testing 055
Protocols, Packet switching, Radios, Speech transmission, Mobile systems 076
Protocols, Satellite communications, Channels, Traffic, Modeling 015
Protocols, Specifications, Speech transmission, Integrated systems, Algorithms 062
Protocols, Traffic, Routing, Optimal control 046
Queueing theory, Delay, Coding, Dissertation 063
Queueing theory, Ordinary differential equations, Packet switching, Modeling 045
Queueing theory, Switching, Buffers, Optimization, Dissertation 032
Radio communications, Mobile systems, Transmission lines, Maintenance 045
Radio communications, Packet switching, Throughput, Delay 045
Radios, Mobile systems, Security, Systems design, Modeling 045
Radios, Paging devices, Frequency, Microprocessors, Technology 061
Random access memory, Channels, Hybrid systems, Delay, Traffic 045
Receivers, Data transmission, Noise, Channels, Quality control 095
Recursion, Telephones, Flow, Random variables, Modeling 062
Resource management, Customer services 054
Resource management, Data collection, Terminals, Logic 062
Robots, Management, Architecture, Standards 020
Routing, Parallel processing, Graphs, Algorithms, Optimization 023
Satellite communications, Mainframes, Data transmission, Economics 062
Satellite communications, Position control, Government regulations 078
Satellite communications, Protocols, Delay, Data communications 0141
Satellite communications, Simulation 078
Security, Electric power generation, Boundary value problems 002
Signal processing, Distortion, Minimization, Channels, Adaptive equalizers 0312
Signal processing, Multiplexing, Translation, Systems design 012
Signal processing, Scattering, Noise, Fading, Dissertation 0794
Signal processing, Synchronization, Channels, Coding 031
Signal transmission, Data transmission, AT&T CSDC 0709
Signal transmission, Interference, Machine machine interactions 0462
Signal transmission, Speech transmission, Local area networks 0635
Signals, Channels, Switching 0953
Simulation, Data transmission, Noise, Channels, Dissertation 0636
Simulation, Distributed systems, Automation, Control systems, Modeling 0376
Simulation, Interactive systems, Minicomputers, Processors, Modems 0782
Simulation, Software packages, High level languages, Performance, FORTRAN 0782
Simulation, Topology, Transfer functions, Filters, Design 0711
Software development, Packet switching 0464
Software development, Satellite communications, Control systems, NATO III 0618
Space technology, Military engineering, Satellite communications 0617
Speech synthesis, Signal processing, Data compression, Bandwidths 0156
Speech transmission, Data transmission, Economics, Technological forecasting 0782
Speech transmission, Packet switching, Modulation, Queueing theory, Modeling 0157
Speech transmission, Packet switching, Protocols, Multiplexing 0784
Speech transmission, Performance, Analog to digital conversion 0781
Structural analysis, Filters, Functions, Synthesis, Dissertation 0545
Switching, Capacitors, Topology, Matrices, Programming languages 0879
Switching, Capacitors, Topology, Software development, Dissertation 0558
Switching, Channels, Decision making, Pulse code modulation 0146
Switching, Circuitry, Simulation, Modeling, Dissertation 0542
Switching, Mobile systems, Radar, Electronic equipment, Systems development 0144
Switching, Polynomials, Interpolation, Fast Fourier transforms, Partitioning 0877
Switching, Protocols, Access, Data transmission, Integrated systems 0305
Switching, Telephones, Signal processing, Technological forecasting 0799
Switching, Telex, Systems design, Standards, Architecture 0141
Switching, Transmission, Modularity, ITT5500 0465
Systems design, Data communications, Switching 0621
Systems design, Graph theory 0549

munication networks, (continued)
stems design, Optimization, Quality control, Technology, Circuitry 01420
stems design, Radar, Air traffic control 03011
stems design, Switching, Speech transmission, Man machine interactions 04606
chnological forecasting, Facsimile systems, Teleconferencing, Electronic mail 03032
chnological forecasting, Product development, Credit Suisse 09446
lecommunications, Integrated systems, Planning, Economics, Technology 04664
lecommunications, Modems, Access, Economics, Customer services 02306
lecommunications, Radios, Artificial intelligence, Modeling 01296
lecommunications, Technological forecasting, Military 08624
leconferencing, Telephones, Computer graphics, Integrated systems, Technology 06200
lephones, Echo suppression, Impedance, Circuitry, Research and development 07848
lephones, Government policies, Japan, Technology 02877
lephones, Integrated systems, Technology, Protocols, Standards 04661
lephones, Mobile systems, Cells, Signal processing, Research and development 01312
lephones, Packet switching, Loops, Signal processing, Videotex 04660
leports, Information services, Economics, Management 02982
letex, Protocols, Specifications, Standards, Research and development 01411
erminals, Switching, Queueing theory, Simulation, Performance 07999
erminals, Telephones, Controllers, Synchronization, Systems design 01443
erminals, Time sharing systems, Queueing theory, Batch processing 06183
opology, Microwave devices, Amplifiers, Gallium arsenide, Dissertation 08801
opology, Monotonicity, Circuitry, Inspection, Structural analysis 08793
racking, Controllers, Stability, Simulation, Power systems 04965
raffic, Transmission lines, Control systems, Modeling 06351
ransaction processing, Broadcasting, Data transmission 06356
ransfer functions, Phase shift keying, Approximations, Linear equations 07179
ransmission lines, Access, Terminals, Workstations, Allocation 08715
ransmission lines, Economics 08720
ransmission lines, Frequency, Information services, Terminals 06358
ransportation, Management information systems, Microcomputers, Terminals 03014
nited States, Business, Management information systems 07835
ery large scale integration, Simulation, Matrices, Nonlinear equations 08768
ideotex, Architecture 09332
ideotex, Computer graphics, Economics, Research and development, Germany 06129
ideotex, Data communications, Protocols, Image processing 01316
ideotex, Interactive systems, Terminals, Microcomputers 01336
Vord processing, Data processing, Ships, Electronic mail 03012
mmunications,
erospace engineering, Spacecraft, Product development 00480
ir traffic control, Speech transmission, Modulation 07687
mplitude, Frequency, Modulation, Testing 09326
ntennae, Design, Site selection, Grounding, Extremely low frequency 08129
Antennae, Design, Testing 08114
Antennae, Interference, Wave propagation, Reflection, Polarization 08106
Antennae, Numerical analysis, Frequency, Performance 08128
Antennae, Space technology, Performance 08113
Artificial intelligence, Office automation, State of the art 06263
Atmospheric conditions, Waveguides, Wave propagation 06436
Audio systems, Teleconferencing, Economics 09429
Broadcasting, Data transmission, Protocols 09570
Buses, Architecture, Distributed systems, Switching, Research and development 02283
Cable television, Technological forecasting, State of the art 06167
Channels, Access, Transmission, Packet switching 06360
Channels, Data transmission, State of the art 02879
Channels, Packet switching, Waiting times 07934
Channels, Phase locked loops, Performance, Dissertation 01579
Channels, Speech recognition, Signal to noise ratio 06437
Channels, Speech transmission, Modeling 03154
Channels, Time measurement, Algorithms, Simulation 03160
Channels, Traffic, Data transmission, Channel capacity 03156
Channels, Transmission, Feedback, Noise 04787
Channels, Transmission, Filters 02398
Channels, Transmission, Modulation, Signal reception 07936
Coal mining, Noise, Magnetic variables measurement 06854
Coding, Orthogonality, Gain, Signal processing 07962
Computer aided control, Nuclear power plants, Equipment, Inspection 04992
Data base management systems, Access, Software development, Mainframes 00611
Data compression, Channels, Speech recognition, Vector quantizers 07937
Data transmission, Channels, Noise, Dissertation 04609
Data transmission, Protocols, ALOHA, Throughput 07933
Data transmission, Research and development, History 06100
Data transmission, Signal processing, Laguerre adaptive equalizers 04642
Data transmission, Speech recognition, Switching, Buffers 09466
Data transmission, Speech transmission, Private branch exchange 01470
Design, Fiber optics, Optical variables measurement 01325
Economics, Office automation, Teleconferencing 04613
Education, Televisions, Dissertation, Ivory Coast 03773
Electric fields, Magnetic fields, Antennae, Extremely low frequency 08052
Electromagnetic waves, Scattering, Hydrometeors, Numerical analysis 04818
Electromagnetics, Military, Research and development, Extremely low frequency 09307
Electromagnetics, Signal processing, Noise, Computer aided analysis 09306
Electronic equipment, Troubleshooting 03815
Electronic mail, Transmission, Standards, Compatibility 06224
Error detecting codes, Control systems, Reliability, Data transmission 06221
Fiber optics, Cables 07753
Fiber optics, Cables, Bandwidths, Materials testing 07762
Fiber optics, Cables, Signal processing, Technology, Research and development 06137
Fiber optics, Channels, Noise 07702
Fiber optics, Data transmission, Codes 04548
Fiber optics, Data transmission, Research and development, History 06144
Fiber optics, Design, Stress, Mechanical strength 01326
Fiber optics, Electric power transmission 04554
Fiber optics, Gallium arsenide, Surface properties, Photoconductors, Detectors 03921
Fiber optics, Glass, Fabrication, Cladding 04568
Fiber optics, Local area networks, Plug compatibility, Fibernet II 04572
Communications, (continued)
Fiber optics, Modulation, Semiconductor lasers, Integrated circuits 01356
Fiber optics, Performance, Attenuation, Wavelengths 07738
Fiber optics, Production, Machining 09421
Fiber optics, Receivers, Design, Performance 07733
Fiber optics, Semiconductor lasers, Epitaxial growth, Electrooptics 03971
Fiber optics, Semiconductor lasers, Stability, Wave propagation 04030
Fiber optics, Signal processing, Data transmission 01341
Fiber optics, Signal processing, Speech transmission, Multiplexing 09333
Fiber optics, Silicon dioxide, Injection lasers, InP/InGaAsP 07757
Fiber optics, Speckle, Optical analysis, Contrast 09379
Fiber optics, Stability, information retrieval 09378
Fiber optics, State of the art 01324
Fiber optics, Technological forecasting, Modes, Cost benefit analysis 07764
Fiber optics, Technological forecasting, Testing 06155
Fiber optics, Transmission, Multiplexing 06122
Formatting, Facsimile systems, Office automation, Plug compatibility 06229
Harmonics, Power systems, Semiconductors, Switches, Dissertation 06589
Heterostructure lasers, Fabrication, InGaAsP 09024
Information theory, Channels, Encoding, Decoding 09554
Infrared, Lasers, Scintillation, Statistical analysis 09052
Injection lasers, Semiconductor lasers, Modulation, Circuitry, Design 07390
Integrated systems, Terminals, Office automation, Organization and methods 06095
Lasers, Economics, State of the art, Technological forecasting 01380
Lasers, Scaling, Amplifiers, Raman effect 00903
Local area networks, Channels, Access, Protocols 06353
Local area networks, Coaxial cables, Signals, Equalization 02637
Local area networks, Data transmission, Packet switching, Protocols 04641
Local area networks, Data transmission, Queueing theory 04786
Local area networks, Fiber optics, Performance 01317
Local area networks, Fiber optics, Private branch exchange 02931
Magnetostatics, Oscillators, Radar, Signal processing, Surface acoustic waves 07204
Man machine interactions, Speech transmission 09479
Mathematical models, Channels, Transmission, Crisis calls 03123
Metal oxide semiconductors, Gallium arsenide, Integrated circuits 05908
Microwaves, Modulation, Synchronization, State of the art 06113
Military aircraft, Speech recognition, Software development 06275
Military, Decision making, Technology, C^3I 08623
Military engineering, Lasers, Space technology 07703
Millimeter waves, State of the art, Military, Space technology, Book 06420
Modeling, Bandwidths, Noise, Filters 07885
Modeling, Navigation, Wave propagation 06279
Modeling, Transmission, Noise, Threshold detectors 07988
Modulation, Channels, Dissertation, Optical channels 09334
Noise, Filtering, Occupational health, Dissertation 04515
Noise, Filters, Simulation 04733
Office automation, Data transmission, Electronic mail 03025
Office automation, Electronic mail 09413
Office automation, Electronic mail 09422
Office automation, Teleconferencing, Cost benefit analysis 03034
Optical communications, Phototransistors, Sensitivity 00768
Optical communications, Signal processing, Modulation, Frame synchronization 07705
Optical communications, Transmission, Noise, Error detecting codes 07706
Optics, Fiber optics, Bandwidths, Optimization 07771
Optics, Fiber optics, Solitons, Schrodinger equations 06146
Optics, Multiplexing, Telephones, Networks, Design 07763
Optics, Waveguides, Amplifiers, Sputtering 09358
Oscillators, Capacitors, Switching 08817
Packet switching, Speech transmission, Economics 09454
Power plants, Signal transmission, Magnetic fields, Radios, Systems design 06317
Private automatic branch exchange, Word processing, Teletex, Electronic mail 04629
Product development, Railway engineering, Radios 02903
Protocols, Specifications, Verification, Decomposition 06105
Pulse generation, Signal processing, Telemetry 01548
Radios, Telephones, Business, Research and development 09325
Railway engineering, Traffic, Control systems 02898
Research and development, Technological forecasting 04520
Satellite communications, Design, Reliability 09419
Satellite communications, Frequency, Technological forecasting 09418
Satellite communications, Receivers, Noise 01301
Satellite communications, Transponders, Channels, Circuitry 09420
Satellites, Infrared, Mapping, Aerospace engineering, Military 05280
Security, Channels, Speech recognition, Speech scramblers 07943
Semiconductor lasers, Optical properties, Feedback, Modulation 04022
Signal processing, Filtering, Simulation 09590
Signal processing, Filters, Amplifiers 05454
Signal processing, Phase locked loops, Tangent discriminator 09473
Signal processing, Polarization, Atmospheric conditions, Electromagnetic waves 02890
Signal processing, Speech recognition, Pattern recognition, State of the art 07916
Signal transmission, Filtering, Equalization 03158
Signal transmission, Modeling 01573
Simulation, Data transmission, Channels, Delay, TDMA 09571
Sociology, Computer aided analysis, Data bases, Research and development 04617
Software development, Syntax, CHILL 04630
Sonar, Underwater technology, Signal processing, Computer aided analysis 07883
Space technology, Ice, Polarization, Microwaves 09577
Space technology, Military, History, Technological forecasting 09404
Space technology, Rockets, Position control, Simulation 03648
Spacecraft, Antennae 09313
Technology, Access, United States 01288
Technology, Economics, Fiber optics 04522
Technology, Fiber optics 09346
Technology, Fiber optics, Specifications 07716
Telecommunications, Power supply, Semiconductors, Control systems 08368
Telecommunications, Satellites, Technological forecasting, Fiber optics 01342
Teleconferencing, Research and development 05392

Communications, (continued)
- Telemetry, Aerospace engineering, Research and development 04584
- Telemetry, Offshore structures, Marine technology, SONARLINK 09411
- Telephones, Equipment, Buying and selling, Economics 03064
- Telephones, Railway engineering, Radios 03054
- Transmission, Error correcting codes, Noise 07960
- Transmission, Fiber optics, Local area networks, Hubnet 04571
- Transmission lines, Design, Modules, Telephones 07851
- Transmission, Modulation, Noise 07991
- Transmission, Technology, Teleports 07833
- Underwater technology, Fiber optics, Tensile strength, Fault tolerance 06145
- Water supply, Distribution, Control systems, Telemetry 04590
- Waves, Absorption, Atmospheric conditions, Meteorology 04518

Commutation,
- Converters, Thyristors, Bridges, Induction motors 04885
- Current voltage, Control systems, Optimization, Inverters 06560
- Drives, Harmonics, Reliability, Power supply, Inverters 00120
- Power systems, Electrical resistance, Impedance, Bridges, Inductance 03310
- Rotating bodies, Integrated circuits, Voltage, Choppers, Induction machines 03276

Comparators,
- Analog to digital converters, Circuitry, Capacitance 03373
- Phase locking, Controllers, Motors 03269

Compatibility,
- Communication networks, Multiprocessors, Transmission, Switching, S/NET 04633
- Electronic mail, Transmission, Standards 06224
- Interfaces, Data communications, Protocols, FRG 06214
- Interfaces, Software development, Spectrometers, Minicomputers 05138
- Local area networks, Private branch exchange, Standards 04522
- Local area networks, Protocols, Ethernet, CSMA/CD 09436
- Networks, Management, Standards, Economics 09424
- Televisions, Resolution, Quality control, High definition television 07777

Components,
- Fiber optics, Quality control, Nondestructive testing, Lasers 00985
- Mechanical handling, Assembling, Automation, Flexible manufacturing systems 00386

Composite materials,
- Acoustic emissions, Impact testing, Plates, Damping, Viscosity 03512
- Aircraft engineering, Cutting, Lasers, Computer graphics, Nesting 04046
- Alloys, Niobium, Titanium, Superconductivity, Materials testing 04104
- Ceramics, Military engineering, Electronic equipment, Packaging 06073
- Circuitry, Packaging, Ceramics, Thermal variables control, Reliability 06075
- Copper, Carbon, Electrodes, Semiconductors 05937
- Crack propagation, Insulators, Fracture 01726
- Cryogenics, Stiffness, Internal stress, Welding, Book 07446
- Elasticity, Stress, Strain, Magnetic variables measurement, Tape rolls 04354
- Electromagnetics, Microwaves, Computer aided analysis, Curing, Dissertation 08037
- Epoxy resins, Thermal insulation, Voltage, Discharges 00717
- Far infrared, Solar energy, Polypropylene, Filters 03785
- Fiber optics, Steel, Crack propagation, Loading, Manufacturing 05038
- Generators, Vibration, Frequency, Numerical analysis 06677
- Iron, Epoxy resins, Permanent magnets, Design, Dissertation 07526
- Lifts, Acoustic emissions, Nondestructive testing, Inspection, Safety 05114
- Materials planning and control, X rays, Nondestructive testing, Electrons 01912
- Oscillation, Vibration, Transducers, Inspection, Loading 05840
- Packaging, Electronic equipment, Thermal variables control, Technology 06072
- Phase transitions, Two phase flow, Electric fields, Dielectric constants 04356
- Plastics, Electric appliances, Domestic appliances, Thermal insulation 02459
- Printed circuit boards, Integrated circuits, Adhesives 02866
- Printed circuit boards, Packaged components, Integrated circuits, Contacts 02788
- Product development, Pressure, Sensors 01887
- Robots, Mechanical handling, Aircraft engineering, Assembling, Cutting 05183
- Rubber, Insulators, Transmission lines 00134
- Satellites, Data communications, Reflectors, Antennae 01667
- Silver, Refractories, Contacts, Surface properties, Erosion 07237
- Solenoids, Superconductivity, Wire processing, Current density 04196
- Solenoids, Superconductors, Rectifiers 04293
- Space technology, Wire processing, Thermal insulation, Coatings 05548
- Spacecraft, Packaging, Weight measurement, Research and development 06071
- Stiffness, Elasticity, Velocity, Ultrasonics, Software development 05097
- Structural analysis, Polymers, Circuitry, Packaging, Materials testing 06074
- Superconductivity, Neutrons, Irradiation, Nb_3Sn-Cu 04100
- Superconductors, Current voltage, Electric fields, Magnetic fields 04274
- Superconductors, Niobium, Titanium, Current density, Heat treatment 04111
- Tin, Transmission lines, Superconductors 04191
- Wire, Fiber optics, Transmission lines, Digital systems 07755

Compressibility,
- Pressure measurement, Electric power apparatus, Insulators 00256

Compression testing,
- Cables, Fiber optics, Strain 04565
- Capacitors, Acoustic emissions, Stress, Service life 05124
- Stress strain relations, Superconductors, Temperature, Magnets, Nb_3Sn 04205
- Tensile strength, Aluminum, Acoustics 01970
- Thermal insulation, Plasticity, Fireproofing, Electronic equipment, Combustion 03892

Compressors,
- Control systems, Offshore structures, Drilling 00435
- Control systems, Process control 00436
- Gas turbines, Blades, Helicopters, Magnetic variables measurement, Frequency 03629
- Induction motors, Electric variables control, Mechanical variables control 03289
- Magnets, Superconductivity, Refrigeration, Cryogenics, Linear accelerators 04134
- Mufflers, Refrigerators, Noise abatement, Rotating bodies 04738
- Refrigeration, Electromagnetic fields, Motors, Systems design, Dissertation 01683
- Synchronous machines, Drives, Electric power transmission 03278
- Thermodynamics, Refrigeration, Energy consumption, Electric power distribution 08254
- Vibration, Rotors, Rotating bodies, Telemetry, Fans, Turbines 04588

Computed tomography,
- Acoustics, Oceanography, Process development 02266
- Acoustics, Synthetic apertures, Transducers, Dissertation 05098

Computed tomography, (continued)
- Algorithms, Image processing, Detection, Minicomputers 069
- Asbestosis, Diagnosis, Diagnostics, Respiratory system 086
- Attenuation, Simulation, SPECT 053
- Cameras, Image processing, Computer aided analysis, Neural system, Collimators 005
- Density, Electron beams, Distributions, Scanning, Reconstruction 002
- Filters, Radiology, Simulation 036
- Functions, Algebra, Numerical analysis, Mathematics, Grids 036
- Image processing, Filtering, Time measurement, Reconstruction 005
- Image processing, Interpolation, Frequency, Functions, Simulation 069
- Image processing, Interpolation, Radar, Spectral analysis, Dissertation 047
- Image processing, Measurement Error, Medical electronics 036
- Image processing, Operators, Attenuation, Cameras, Modeling 036
- Image processing, Optical communications, Frequency, Rotation, Microwaves 073
- Image processing, Pattern recognition, Noise, Stability, Numerical analysis 093
- Image processing, Pattern recognition, Research and development 025
- Image processing, Radioisotopes, Attenuation, Modeling, Dissertation 039
- Image processing, Reconstruction 036
- Image processing, X-rays, Inspection, Industry, Materials testing 039
- Imaging, Radiation dosimetry, Absorption, Technology 021
- Light scattering, Bones, Density, Signal processing 005
- Measurement errors, Standards, X-rays 057
- Nuclear magnetic resonance, Image processing, Signals, Magnetic fields 067
- Optical communications, Image processing, Amplitude, Diffraction, Coherence 073
- Pattern recognition, Cutting tools, Lasers, Classification, Wood processing 040
- Radiation, Toxicity, Diagnostics, Respiratory system 021
- Remote sensing, Image processing, Microwaves, Thermal variables measurement 000
- Scanners, Diagnostics, Kalman filters, Covariance, Dissertation 063
- Scanning, Radiology, Image processing, Microprocessors, Archeology 036
- Synthetic aperture radar, Mapping, Image processing, Fourier transforms 062
- Technology, Radiation dosimetry, Cameras, Imaging 021
- Tumors, NMR, Radiation dosimetry 021
- Ultrasonics, Cancer, Tumors, Hepatocellular carcinoma 086
- Ultrasonics, Computer aided analysis, Microcomputers, DEC LSI 11 035
- Ultrasonics, Reconstruction, Electromagnetic waves, Rotating bodies 068
- X-ray radiation, Filters, Mathematical models, Radiology 036

Computer aided analysis,
- Acoustics, Oceanography, Depth measurement, Signal transmission 005
- Aircraft engineering, Testing, Jet engines 004
- Aircraft engines, Flow of gases, Compressible flow 020
- Aircraft, Trajectories, Fuel efficiency 021
- Aircraft, Weight measurement, Sensors, Magnetic variables control, Calibration 036
- Amplifiers, Harmonics, Modulation, Nonlinear systems 071
- Anemometers, Calibration, Electronic equipment 084
- Antennae, Aircraft, Electromagnetics, Coupling 064
- Antennae, Arrays, Signal processing, Adaptive control 000
- Antennae, Design, Signal processing 064
- Antennae, Performance, Simulation 081
- Antennae, Signal processing, Noise 064
- Antennae, Waveguides, Coupling, Optimization 064
- Atmospheric conditions, Electric variables measurement, Microcomputers 034
- Atmospheric conditions, Radiometers, Infrared, Oceanography, Image processing 0344
- Audio systems, Acoustic waves, Frequency, Distortion 084
- Audio systems, Signal processing, Circuitry, Quality control, Technology 078
- Automatic testing, Actuators, Fatigue 002
- Automatic testing, Electrical resistivity, Concrete 0507
- Biomedical engineering, Instrumentation, Data processing, Cardiovascular system 0863
- Biomedical engineering, Medical electronics, Pulses 0214
- Bipolar transistors, Modeling, Current, Temperature, Dissertation 0756
- Bonding, Nondestructive testing, Spectroscopy, Signal processing, Echoes 0350
- Capacitors, Fusion, Charge, Research and development 0821
- Cardiovascular system, Monitoring, Microcomputers 0367
- Channels, Memory, Input, Pulses, Coding 0539
- Charge carriers, Current, Gallium arsenide, IMPATT diodes 0437
- Charge carriers, Precision engineering, Superconductivity, Magnets, Solenoids 0417
- Circuitry, Amplifiers, Matrices, Economics 0242
- Circuitry, Distortion, Sensitivity, SCAPN 0715
- Circuitry, Fabrication, Measurement, Inspection, Vision 0766
- Circuitry, Filters, Amplitude 0711
- Circuitry, Parameter estimation, Bifurcation 0715
- Circuitry, Switching, Capacitors, Algorithms 0066
- Circuitry, Switching, Capacitors, Noise, Sensitivity analysis 0557
- Coding, Eddy current, Distributions, Surface properties, Magnetic fields 0506
- Communication networks, Frequency, Circuitry, Modeling 0004
- Communications, Sociology, Data bases, Research and development, Dissertation 0461
- Control systems, Design, Nonlinear programming, Electronic equipment 0855
- Control systems, Electric power generation, Reliability, Costs 0496
- Copper, Aluminum, Films, Thickness measurement, Eddy current 0753
- Couplers, Circuitry, Design 0807
- Current, Magnetic fields, Charge carriers, Pn junctions, Magnetometers 0195
- Current, Magnetics, Dipoles, Sommerfeld half-spece problem 0802
- Damage, Materials testing, Integrated circuits 0605
- Design Optimization, Energy conversion, Solar cells 0887
- Dielectric constants, Acoustics, Polyvinylidene fluoride, Transducers 0265
- Discharges, Lead, Acids, Energy storage components 0332
- Distributions, Fluxes, Density, Induction motors, Rotors 0168
- Dosimetry, Covariance, Matrices, Least squares estimation 0075
- Drainage, Mapping, Labor economics, Channels, Algorithms 0054
- Earth electrodes, Mathematical models 0658
- Echoes, Acoustics, Signal processing, Dissertation, Kalman filters 0685
- Electric fields, Distributions, Conductive media, Medical electronics 0194
- Electric fields, Machinery, Magnetic fields, Finite element method 0680
- Electric power distribution, Loading, Curve fitting, Clustering 0500
- Electric power distribution, Loading, Forecasting, Signal processing 0186
- Electric power distribution, Loading, Resource management, Planning, Economics 0668
- Electric power generation, Voltage, Measurement, Testing, Loading 0506

puter aided analysis, (continued)
ectric variables control, Current, Charge carriers, Diodes 05895
ectrical resistance, Earth electrodes, Grids 06592
ectrochemical reactions, Stability, Reactors, Modeling 08309
ectromagnetic waves, Diffraction, Wave propagation, Waveguides 06415
ectromagnetics, Communications, Signal processing, Noise, Dissertation 09306
ectromagnetics, Design, Software development, Modules, Problem solving 06806
ectromagnetics, Interference, Transmission lines, Dissertation 06451
ectromagnetics, Microwaves, Composite materials, Curing, Dissertation 08037
ectromagnetics, Scattering, Wire, Dissertation 06425
ectromagnetics, Wave propagation, Scattering, Dipoles, Dissertation 08003
ectron beams, Excitation, Xenon chloride, Lasers 07413
nergy, Electric fields, Finite element method 06804
nergy storage components, Batteries, Service life, Life cycle testing 03324
ast Fourier transforms, Algorithms, Error, Antennae, Radiation 08002
ault detection, Probability 06396
ault detection, Transmission lines 09101
ber optics, Dispersion, Programmable calculators 07698
ber optics, Light emitting diodes, Coupling, Packaged components 07303
orecasting, Electric power distribution, Loading 06574
orestry, Resource management, Classification, Satellite communications 02248
requency, Wave propagation 08431
uel efficiency, Engines, Data collection, Systems design 05429
allium arsenide, MESFET, Field effect transistors, Transport properties 05981
amma radiation, Spectroscopy, Minicomputers 05063
rounding, Resistance, Standards 04903
rounding, Voltage, Current, Numerical analysis 08272
all effect, Carrier density, Carrier mobility, Semiconductors 08421
ealth care, Video systems, Technology, Cardiovascular system, Risk assessment 05311
nage processing, Computed tomography, Cameras, Neural system, Collimators 00521
nage processing, Noise, Scanning, Microscopy 08888
nage processing, Photography, Ecology, Fisheries, Identification 03993
duction generators, Excitation, Capacitors, Performance, Circuitry 08177
formation retrieval, Records management, Computer output microfiche 02294
spection, Generators, Tubes, Instrumentation, Frequency 03291
sulators, Thermal variables control, Finite difference method 07243
tegrated circuits, Logic circuits, Fault detection 04446
tegrated circuits, Packaged components, Moisture control, Plastics 06086
terferometers, Performance, Heuristics, Testing, Parameter estimation 07323
osephson junctions, Thermal noise, Circuitry, Dissertation 09061
asers, Emissions 08983
agnetic fields, Finite element method, Mesh generation, Optimization 06823
agnetic fields, Pressure, Plasmas, Electrons, Absorption 06632
agnetics, Recording systems, Thin films, Optimization 09169
agnetohydrodynamics, Generators, Boundary layers 04969
apping, Image processing, Satellite communications, Aerial photography 02245
apping, Photogrammetry, Computer graphics, Programming 02254
apping, Training, Personnel, Problem solving 02253
athematical models, Inductance, Transmission lines, Josephson junctions 04267
athematical models, Soil science, Erosion, Photography 08646
edical electronics, Blood, Flow measurement, Apple II Plus 05339
eteorology, Aircraft, Data collection, Monitoring 00574
icrocomputers, Thermal variables measurement, Urban planning, Remote sensing 03711
ilitary engineering, Information retrieval, Technological forecasting 00497
illimeter waves, Generators, Power, Wave propagation, Gyro-peniotrons 08828
Mining, Coal, Resource management, Mapping, Data bases 02231
Music, Sound synthesis, Spatial processing 01476
Networks, Ports, Microwaves, Scattering 00020
Noise, Emissions control, Economics, Buildings 03522
Nuclear reactors, Radiation, Measurement 05151
Optical properties, Waveguides, Research and development 07735
Optimization, SQUID, Noise, Capacitance, Josephson junctions 05798
Oscillators, Amplifiers, Lasers, Detectors 00988
Oscillators, Bipolar transistors, Amplifiers, Noise 03863
Pattern recognition, Inspection, Ball bearings, Surface properties 03992
Phase locked loops, Numerical analysis, Traveling wave tubes, Simulation 08960
Piezoelectricity, Surface acoustic waves, Charge carriers, Current 02632
Power plants, Machinery, Vibration, Steam turbines, Turbogenerators 06552
Power plants, Structural analysis, Grounding systems, Circuitry, Algorithms 01727
Power plants, Thermodynamics, Thermal discharges 05028
Power plants, Transformers, Generators, Electromagnetics, Current 06547
Power systems, Stability, Interconnected systems 06608
Pressure, Calorimeters, Thermal variables measurement 03416
Psychology, Biomedical engineering, Electroencephalograms, Time series 05314
Radar, Signal processing, Doppler shift, Target detection 09507
Radio waves, Attenuation, Atmospheric conditions, Humidity 08048
Radiometers, Measurement, Mobile systems, Portability, Data collection 05363
Recombination, Semiconductors, Doping, Space charge, Pn junctions 05911
Recording systems, Fault detection, Power systems, Data collection 00104
Recording systems, Instrumentation, Economics, Reliability, Monitoring 08840
Recording systems, Magnetic storage, Output, Simulation 01092
Refractive indices, Scattering, Dispersion, Fiber optics 07760
Relaxation, Oscillators, Subharmonics, Decomposition, Sets 02439
Reliability, Internal combustion engines, Microprocessors 02342
Research and development, Local area networks, Fiber optics, RIPS-Net 09345
Rocket engines, Oscillation, Propellants, Pressure measurement 08597
Satellite communications, Image processing, Mapping, Resource management 02243
Scanning electron microscopy, Image processing, Backscattering, Topography 02557
Schottky diodes, Current voltage, Charge carriers, Injection 07557
Seismology, Pattern recognition, Classification 00557
Semiconductor lasers, Stability, Switching, Optics, Hopf bifurcation theory 05761
Semiconductors, Structural analysis, Charge carriers, Current voltage 00725
Semiconductors, Transport properties, Numerical analysis, Newton method 07630
Signal processing, Microwave devices, Field effect transistors, Calibration 07584
Signal processing, Seismology, Pattern recognition 09541
Signal processing, Semiconductor lasers, Reflectometers, Photodiodes, InGaAsP 04029

Computer aided analysis, (continued)
Signal processing, Sonar, Underwater technology, Communications 07883
Silicon, Logic circuits, Bipolar devices, Thermal variables measurement 02819
Silicon, Solar cells, Phosphorus, Ion implantation, Current voltage 05629
Size measurement, Vibration, Channel capacity, Crack propagation, Ultrasonics 01972
Software, Electric power generation, Production planning 01845
Solar cells, Design, Energy conversion, Fuel efficiency 02507
Solar cells, Photovoltaics, Sheet resistance, Mathematical models 08878
Solar cells, Photovoltaics, Solar energy, Temperature 05616
Solar collectors, Position control, Optimal control 05000
Solar energy, Energy storage components, Batteries, Diesel engines 00202
Spacecraft, Propulsion, Acceleration, Optimization 05272
Spectral analysis, Absorption, Combustion, Atomic structure, Dissertation 00305
Springs, Materials testing, Mechanical strength, Fatigue, Stress 08385
Stability, Safety, Superconductors, Cryogenics 04139
Statistical analysis, Granular materials, Lasers, Anemometers 01008
Superconductivity, Phase transitions, Quenching, Magnets 04245
Superconductors, Solenoids, Quenching, Thermal variables measurement 04202
Superconductors, Wire processing, Magnetic fields 04213
Transistors, Amplifiers, Noise, Frequency 03839
Transmission lines, Conductors, Ampacity, Thermal variables measurement 00116
Transmission lines, Conductors, Thermal variables measurement 01039
Transmission lines, Coupling, Voltage, Attenuation 08202
Transmission lines, Electricity, Grounding, Risk assessment 01035
Transmission lines, Grounding, Resistivity, Measurement 08274
Transmission lines, Thermal variables measurement, Conductors, Current 00114
Turbogenerators, Current voltage, Leakage, Saturation, Circuitry 04890
Ultrasonics, Image processing, Filters 03665
Ultrasonics, Nondestructive testing, Computed tomography 03517
Validation, Unfolding codes, Dosimetry, Nuclear reactors 00751
Velocity measurement, Drives 03292
Vibration, Monitoring, Maintenance engineering, Scheduling, Machinery 08138
Video systems, Image processing, Simulation 01322
Voltage dividers, Design 08206
Voltage, Electric variables measurement, Transducers 00700
Voltage, Logic, MOSFET 01186

Computer aided control,
Aerospace test facilities, Telemetry, Realtime systems 04585
Airports, Helicopters, Flight control systems, Displays 00468
Audio visual systems, Cameras 02325
Calibration, Balancing, Baluns, Transformers, Network analyzers 04350
Cameras, Optics, Microcomputers, Automation, Photography 02577
Cameras, Robots, Automation, Technology 03977
Cement industry, Electric power distribution, Process control 03395
Cement industry, Kilns, Minicomputers 08841
Cement, Production, Electronic equipment, Motors, Grinding 03394
Circuitry, Televisions, Color, Receivers, Phase locked loops 02949
Clocks, Time measurement, Displays, Research and development, Fabrication 05131
Communication networks, Switches, Channels, Signal processing 07947
Conductance, Instrumentation, Bipolar devices, Current voltage, Dissertation 03551
Data bases, Networks, Telecommunications, Data transmission 06204
Data collection, Recording systems, Displays, Reliability, Shift registers 00598
Data transmission, Image processing, Printing, Lasers 02611
Digital to analog converters, Integrated circuits, Voltage 05544
Discharges, Spark gaps, Automation, Dissertation 09075
Displays, Alarm systems, Drilling, Risk assessment, Ice 00586
Distribution, Inventory control, Mail handling, Shipping 02127
Electric power distribution, Automation, Data bases, Standards 00127
Electric power distribution, Data collection, Information processing 03382
Electric power distribution, Realtime systems, Personal computers 08234
Electric power distribution, Research and development, Project engineering 03383
Electric power generation, Alarm systems, Monitoring, Distributed systems 03319
Electric power generation, Education, Laboratories, Modeling, Simulation 05432
Electric power generation, Energy conservation, Accounting, Process control 01846
Electric power generation, Loading, Distributed systems, Technology, Economics 06684
Electric power generation, Modeling, Simulation, Performance 04889
Electric power generation, Performance, Controllers, Microprocessors, Testing 04894
Electric power transmission, Noise, Fault detection 01785
Electric power transmission, Transmission lines, Research and development 04922
Electric variables measurement, Filters, Televisions 00301
Electric vehicles, Microcomputers, Thermal variables control, Clutches 02340
Electronic equipment, Marine engineering, Technological forecasting 00706
Electronic mail, Speech transmission, Storage, Office automation, Economics 06228
Electrothermal atomization, Lasers, Spectrometry, Dissertation 02588
Fabry Perot interferometers, Ellipsometers, Amplitude, Anisotropy 07294
Fabry Perot interferometers, Infrared, Astronomy 00276
Flexible manufacturing systems, Assembling, Design, Robots 00406
Flight control systems, Aircraft, Safety systems, Standards 00478
Furnaces, Programmable controllers 02061
Gas lasers, Memory, Disks, Optical storage 00876
Gauges, Measurement, Feedback 00243
Helicopters, Rotors, Loading, Feedback, Damping 03625
Holography, Displays, Image processing 05691
Hotel industry, Energy consumption, Electric power transmission, Programming 03399
Image processing, Optics, Information systems, Kodak 06158
Inspection, Robots, Vision, Adaptive control, Pattern recognition 03583
Internal combustion engines, Valves, Ignition, Microcomputers 02337
Josephson junctions, Cryogenics, Probes, Nondestructive testing 04239
Lasers, Amplitude, Modulation 07427
Lasers, Frequency control, Microcomputers 07341
Machine tools, Milling, Numerical control 03567
Machine tools, Monitoring, Televisions 08278
Magnetic variables measurement, Automation, Instrumentation, Microcomputers 05090
Magnetization, Measurements, Transducers, Analog to digital converters 05091
Magnets, Power systems, Mirror machines, Fusion 08277
Marine technology, Navigation, Acoustics, Signal processing 09489

Computer aided control, (continued)
Mechanical handling, Arc welding, Robots 03609
Mechanical handling, Manipulators 08562
Mechanical handling, Robots, Automotive industry, Assembling 08546
Mechanical handling, Work holders, Robots 00426
Metal oxide semiconductors, Capacitance, Silicon, Buses, Service life 00732
Microcomputers, Programmable controllers 02014
Microcomputers, Simulation, Internal combustion engines 02335
Microcomputers, Spectrofluorimeters, Data collection, Wavelengths, Dissertation 01938
Microcomputers, Speech synthesis, Automotive engineering 02341
Microprocessors, Antennae, Tracking, Signal processing, Reliability 01649
Microprocessors, Automation, Production control, Filters, Frequency 02360
Microprocessors, Fuel efficiency, Energy conservation 02343
Microwave devices, Distribution, Frequency, Geometry, Measurement 03238
Military aircraft, Weapons, Reliability, Circuitry 08590
Modeling, Flow, Lasers, Kinematics, Numerical analysis 05737
Nuclear power plants, Communications, Equipment, Inspection 04992
Oceanography, Instrumentation, Recording systems, Microprocessors, Hydrophones 05367
Optimization, Metrology, Reliability, Measurement errors 00244
Optimization, Transmission lines, Security, Economics, Communication networks 08182
Petrochemical industry, Ethylene, Management 00442
Power plants, Industrial plants, Electric power distribution, Reliability 08345
Power supply, Security, Monitoring 01866
Power systems, Networks, BECONTROL 30 S 08350
Pressure, Sensors, Transducers, Precision engineering, Testing 08390
Process control, Economics, State of the art 08549
Programming languages, Robots, Artificial intelligence, Mechanical handling 00432
Project engineering, Office automation, Data transmission, Telecommunications 01285
Radar, Maintenance, Training, Aircraft, Research and development 06291
Research and development, Control systems, Machinery, Energy conservation 05168
Robots, Manufacturing, Pallets, Packaging, Research and development 06916
Robots, Mechanical handling, Kinematics, Pneumatic systems, Manipulators 05198
Robots, Planning, Numerical analysis, Dynamics, Computer programs 06914
Robots, Precision engineering, Measurement, Testing 06913
Robots, Programming, Flow, Systems development, Modeling 00438
Robots, Programming languages, Research and development, Mechanical handling 03599
Robots, Vision, Image processing, Microcomputers 03614
Rotating bodies, Automotive engineering, Diesel engines, Microcomputers 02334
Scanning, Tensile strength, Counters, Position control 01885
Scanning, Thermal variables measurement, Signal processing, Automation 02007
Sensors, Weighting, Calibration 01998
Shock waves, Energy storage components, Calibration, Aerodynamics 00458
Software development, Hydraulic control equipment, Vision, Robots 02028
Spacecraft, Image processing, Satellite communications 06969
Spacecraft, Propulsion 06970
Stability, Electric power generation, Tuning 04901
Stepping motors, Microwaves, Tuning 06114
Systems design, Delays, Error, Performance, Simulation 02018
Tachometers, Microprocessors, Signal processing, Velocity, Integrated circuits 03535
Telecommunications, Offshore structures, Oil wells, Systems design, Telemetry 04586
Teleconferencing, Telephones, Signal transmission, Satellite communications 01472
Teletext, Signal processing, Interference, Attenuation, Filtering 01421
Testing, Switching, Electrical connectors, Arc erosion 02451
Thyristors, Distortion, Loops, Feedback, Thyristor current source 05065
Transducers, Liquids, Density, Measurement 09155
Transformers, Relays, Current voltage, Protection 04351
Transponders, Satellites, Optimization, Signal transmission 01289
Transportation, Railway engineering, Propulsion, State of the art 03769
Utilities, Electric power distribution 03311
Utilities, Electric power generation, Electric power transmission 03391
Velocity, Alignment, Position control, Guidance and control systems, Spacecraft 02088
Video systems, Synchronization, Frequency, Signal transmission 02938
Welding, Manipulators, Robots, Displays, Mechanical handling 08547
Welding, Televisions, Guidance and control systems 00388
Work holders, Arc welding, Position control, Sensors, Image processing 00446
Computer aided design,
Accelerators, Construction, Planning 01672
Algorithms, Integrated circuits, Heuristics, Resistance, Numerical analysis 06000
Artificial intelligence, Architecture, IBM 370 06014
Artificial intelligence, Integrated circuits, REDESIGN 06040
Artificial intelligence, Robots, Software development, GRASP 08566
Automotive engineering, Aerodynamics, Honeywell DPS 6-80M, Ford Motor Co. 03765
Automotive engineering, Finite element method, Numerical control, Economics 03767
Automotive engineering, Technological forecasting, Capital investment 00619
Batteries, Voltage, Charge carriers, Dissipation, Electric vehicles 00188
Bipolar devices, Arrays, Logic circuits, Research and development 09263
Cathode ray tubes, Color, Televisions, Lenses, Electrodes 02954
Circuit boards, State of the art 01249
Circuitry, Fabrication, Computer aided manufacturing, Reliability 07664
Circuitry, Filters 03777
Circuitry, Filters, E-plane filter 03798
Circuitry, Filters, Simulation 00656
Circuitry, Impedance, Resistance, Two-terminal devices 02419
Circuitry, Integrated circuits 06009
Circuitry, Integrated circuits, Dissertation 02798
Circuitry, Microstrips 01643
Circuitry, Microwave devices 00046
Circuitry, Numerical analysis, Research and development, Walsh series method 05492
Collectors, Electromagnetic waves, Transmission lines, Traveling wave tubes 07253
Communication networks, Microwave devices, Amplifiers, Gallium arsenide 08801
Communication networks, Packet switching, Simulation, Software packages 08000
Computer aided instruction, Education, Microwave devices, Fabrication 03244
Computer aided manufacturing, Technology, Software development 02348
Computer graphics, Image processing, Cartography 08653
Consumer electronics, Videodisks, RCA Selectavision 02942
Controllers, Manipulators, Robots, Software development 08557

Computer aided design, (continued)
Couplers, Waveguides, Millimeter waves 074
Displays, Flight control systems, Military aircraft, Helicopters 020
Distance measurement, Technology, State of the art 094
Electric power generation, Transmission lines, Safety systems 049
Electromagnetics, Magnets 091
Fabrication, Circuitry, Simulation 071
Fabrication, Integrated circuits, Synthesis automation 076
Fiber optics, Communication networks, Performance, Economics, Data bases 093
Field effect transistors, Amplifiers, Communication networks, Topology 038
Field effect transistors, Drift diffusion current 027
Field effect transistors, Fabrication, Gallium arsenide, Integrated circuits 092
Filters, Metal oxide semiconductors, Channels 087
Filters, Metals, Thickness measurement, Performance, Numerical analysis 037
Filters, Simulation, Topology, Integrated circuits, Metal oxide semiconductors 087
Filters, Specifications, Simulation 071
Gallium arsenide, Field effect transistors, Amplifiers 038
Gallium arsenide, Field effect transistors, Amplifiers 088
Gallium arsenide, MESFET, Amplifiers, Transistors 088
Gallium arsenide, Microwave devices, Amplifiers, Communication networks 038
Geometry, Computer aided manufacturing, Raster displays, Plug compatibility 022
Helicopters, Aircraft engineering 020
High level languages, Compilers, Integrated circuits, Optimization 059
Impedance, Couplers, Microstrip lines 026
Information processing, Technological forecasting, Education, Training 054
Integrated circuits, Automation, Transistors, Testing, Technology 027
Integrated circuits, Computer aided design, Verification 092
Integrated circuits, Computer graphics, Packaged components 092
Integrated circuits, Convolution, Area-time optimality 012
Integrated circuits, Fabrication, Pattern recognition, Dissertation 012
Integrated circuits, Fault detection, Modeling, Simulation 0710
Integrated circuits, Fault tolerance, Monte Carlo method, Random distributions 0591
Integrated circuits, Field effect transistors, Simulation, Silicon 092
Integrated circuits, Hierarchies, Performance, Transistors, Integrated systems 092
Integrated circuits, Interfaces, Fabrication 071
Integrated circuits, Logic circuits 060
Integrated circuits, Routing, Graphs, Algorithms, Dissertation 060
Integrated circuits, Routing, Systems design 092
Integrated circuits, Routing, Wire routing 028
Integrated circuits, Routing, Wire routing 028
Integrated circuits, Routing, Wire routing 0284
Integrated circuits, Simulation, FABRICS II 0607
Integrated circuits, Simulation, PATOIS, Dissertation 0927
Integrated circuits, Simulation, Relaxation, Ordinary differential equations 0446
Integrated circuits, Software development 0600
Integrated circuits, State of the art 0284
Integrated circuits, Verification, Structural analysis, Algorithms 0601
Lasers, Flexible manufacturing systems, Cutting tools, Automatic control 0404
Logic circuits, Bipolar devices, Arrays, Performance, Error 0763
Logic circuits, Junctions, Charge coupled devices 0603
Logic circuits, Metal oxide semiconductors, Structural analysis, Specifications 0926
Logic circuits, Routing, Software packages 0603
Logic, Integrated circuits, Dissertation 0285
Matrices, Very large scale integration, Stability, Reliability, Dissertation 0604
MESFET, Mixers, Field effect transistors 0807
Metal oxide semiconductors, Field effect transistors, Geometry, Channels 0118
Metal oxide semiconductors, Silicon on sapphire, Circuitry, Fabrication 0924
Microelectronics, Architecture, Research and development, Dissertation 0444
Microelectronics, Channels, Routing, DEC VAX 11/780 0764
Microelectronics, Fabrication, Modeling, MINIMOS 0925
Microelectronics, Fabrication, Simulation, Dissertation 0927
Microprogramming, Optimization, Integrated circuits, Control systems 0602
Microstrips, Frequency, Dielectrics, Impedance, Millimeter waves 0910
Microwave devices, Amplifiers 0482
Microwave devices, Circuitry, Modeling 0646
Microwave devices, Integrated circuits 0806
Microwaves, Circuitry, Gallium arsenide, Field effect transistors 0954
Microwaves, Transistors, Amplifiers 0551
Modeling, Integrated circuits, Field effect transistors 0677
Modeling, Lightwaves, Waveforms, Noise 0770
MOSFET, Logic, Voltage 0118
Optimization, Electronic equipment, Circuitry, Performance 0373
Precision engineering, Metal oxide semiconductors, Modeling 0594
Printed circuit boards, Routing, Computer graphics 0762
Process control, Modeling, Metal oxide semiconductors, Bipolar devices 0451
Programmable logic arrays, Verification, Fault detection, PART 0765
Programming languages, Very large scale integration, Structural analysis 0602
Prosthetics, Biomedical engineering, Computer aided manufacturing 0365
Robots, Simulation, Computer graphics 08563
Robots, Simulation, Planning, Process development, Sheet metalworking 0690
Routing, Integrated circuits, Wire routing 02810
Semiconductors, Simulation, Software development 05893
Sensors, Automotive engineering, Control systems 00617
Servomechanisms, Circuitry, Microcomputers, Feedback, Reliability 05389
Simulation, Circuitry, Architecture, Palladio 02409
Simulation, Communication networks, Modeling, Decomposition, Algorithms 07823
Simulation, Integrated circuits, SABLE 07623
Simulation, Integrated circuits, Wiring, Routing 02809
Simulation, Metal oxide semiconductors, Logic circuits, Fault tolerance 09205
Simulation, Microelectronics, Dissertation 07627
Simulation, Time measurement, Integrated circuits 07624
Software packages, Electromagnetics, Differential equations 06679
Structural analysis, Logic, Simulation, Technology 06005
Structural parts, Computer graphics, Image processing 07099
Surface properties, Metal oxide semiconductors, Transistors, Modeling 07591
Systems design, Networks 00593

puter aided design, (continued)
echnology, Microelectronics, Masterimage method 02824
ansistors, Metal oxide semiconductors 05942
aveguides, Phase shifts, Dielectrics, Impedance 07490
orkbenches, Fabrication, Digital engineering 07628
nputer aided instruction,
omputer aided design, Education, Microwave devices, Fabrication 03244
urriculum development, Engineering, Electrical engineering 08733
ducation, Finite element method, Electrical engineering, Electrostatics 03489
ducation, Machining, Laboratories, Control systems 08145
ducation, Parallel processing, Machine machine interactions, Microcomputers 02282
lectric power distribution, Power systems, Design 08261
lectric power generation, Control systems, Education, Data collection 08346
elecommunications, Technological forecasting 04591
ransmission lines, Simulation, Microcomputers, Current voltage, Waveforms 04302
ideodisks, Artificial intelligence, Technology, Research and development 06132
mputer aided manufacturing,
rtificial intelligence, Assembling, Robots 08530
rtificial intelligence, Mechanical handling, Robots, Technological forecasting 02043
rtificial intelligence, Robots, Microcomputers, Software development 03592
ssembling, Automotive engineering, Programmable controllers, GM 06937
ssembling, Mechanical handling, Robots, Flexible manufacturing systems 01276
utomotive engineering, Assembling, Robots, Jaguar 03601
utomotive engineering, Assembling, Robots, Saab 03602
utomotive engineering, Robots, Purchasing, Mechanical handling 02029
atch process control, Programming, Automation, Technology 06901
usiness, Data processing, Communication networks, Distribution 02983
arburizing, Automation, Loops, Modeling, Diffusion 02064
Circuitry, Electronic equipment, Assembling, Automation 01273
Circuitry, Fabrication, Computer aided design, Reliability 07664
Computer aided design, Technology, Software development, Integrated systems 02348
Computer numerical control, Machinery, Engines, Turning 05236
Diesel engines, Robots, Programming, Productivity, Assembling 02026
Flexible manufacturing systems, Production control, Gears, Wheels 00395
Geometry, Computer aided design, Raster displays, Plug compatibility 02298
Hierarchies, Control systems, Computer programs, Programming languages 05171
Machine tools, Flexible manufacturing systems, Robots, Mechanical handling 05180
Machine tools, Robots, Mechanical handling, Technology 05181
Mechanical handling, Assembling, Robots, Research and development 02039
Mechanical handling, Robots, Software 00421
Mechanical handling, Vision, Bar codes, Pattern recognition, Simulation 02297
Microcomputers, Metrology, Optical devices, Microelectronics, Position control 02329
Process control, Reliability, Electronic equipment, Computer programs 02009
Production control, Artificial intelligence, Robots, United Kingdom 02060
Production control, Technology 06939
Prosthetics, Biomedical engineering, Computer aided design, Quality control 03658
Robots, Adhesives, Seals, Control systems, Kinematics 06917
Robots, Economics, Productivity, Dissertation 08528
Robots, Loading, Mechanical handling 02027
Robots, Man machine interactions, Japan, Artificial intelligence 08551
Robots, Mechanical handling, Artificial intelligence, Control systems 02042
Robots, Mechanical handling, Occupational health, Welding, Cutting 02045
Robots, Mechanical handling, Valves, Control systems, Machining 08553
Robots, Production, Machinery, Automation 03617
Steel, Robots, Assembling, Mechanical handling, Fencepost production 05190
Technology, Programmable controllers, State of the art 06938
Testing, Equipment, Automation, Circuitry, Research and development 06055
Turnkey systems, Microcomputers, Software packages, Economics 05402
Valves, Production control, Robots, Systems design, Economics 05184
Welding, Robots, Artificial intelligence, Mechanical handling, Productivity 03598
Wire processing, Robots, Automation, Testing 00434
omputer crime,
File management, Minicomputers, Online systems, Micrographics, Access 00602
Financial services, Electronic funds transfer, Security 03005
Security, Management information systems, Local area networks, Personnel 08712
Telecommunications, Electronic mail, Encryption, Software packages, Security 09416
USSR, Exporting, Hardware, Smuggling 08619
omputer graphics,
Airports, Traffic, Control systems, Radar, Signal processing 06290
Automotive engineering, Aerodynamics, Computer aided design 03765
Broadcasting, Teletext, Protocols, Coding, Terminals 03036
Color, Televisions, Broadcasting, Technology 04577
Color, Vision, Alphanumerics, Magnetic storage, Typography 02940
Communication networks, Videotex, Economics, Research and development, Germany 06129
Computer aided design, Circuitry, Filters 03777
Computer aided design, Printing industry, Textile industry, Cartography 08653
Computer aided design, Structural parts, Image processing 07099
Displays, Air traffic control, Communication networks, Reliability 03093
Displays, Color, Perception, Image processing, Dissertation 02566
Displays, Liquid crystals, Technology, Memory, Research and development 02533
Displays, Nuclear power plants, Control systems, Simulation 00191
Displays, Portability, Silicon, Semiconductors, Transistors 07590
Displays, Televisions, Receivers, Image processing, Minicomputers 07087
Electric power generation, Interactive systems, Loading, Modeling 03317
Electromagnetics, Computer programs, Mesh generation, Finite element method 06402
Environmental protection, Resource management, Image processing, Mapping 02240
Finite element method, Electromagnetic fields, Magnetic variables measurement 06830
Forestry, Resource management 03684
Geography, Data collection, Topography, Mapping, Photogrammetry 02204
Geography, Floods, Mapping, Satellite communications 02211
Helicopters, Video systems, Microprocessors, Converters, Alphanumerics 07304
Holography, Image processing, Scanning, Medicine, Radiology 01003
Image processing, Displays, Monitoring, Controllers, Integrated circuits 08894
Image processing, Mathematics, Numerical analysis 05664
Image processing, Pattern recognition, Remote sensing 02178
Image processing, Pattern recognition, Surface texture, Raster displays 03746
Computer graphics, (continued)
Image processing, Raster displays, Vision, Interactive systems, Dissertation 03981
Image processing, Reconstruction, Microwaves, Holography 04825
Integrated circuits, Transistors, Packaged components, Fabrication 09269
Interactive systems, Cartography, Mapping, Italy, Telephone company 02260
Interactive systems, Displays, Terminals, Control systems, Oscillation 02305
Interactive systems, Minicomputers, Economics, Programmable calculators 02299
Interactive systems, Simulation, Validation, Prediction, Dissertation 03095
Lasers, Cutting, Aircraft engineering, Composite materials, Nesting 04046
Lasers, Optics, Printers, Scanning, Image processing 09039
Mapping, Photogrammetry, Computer aided analysis, Programming 02254
Mapping, Raster displays, Interactive systems, Geography, Information systems 02237
Mapping, Video systems, Displays, Circuitry, Hybrids 05686
Meteorology, Management information systems, Statistical analysis 08691
Meteorology, Radar, Data collection, MDR 09506
Microprocessors, Portability, Data collection, Gamma radiation, Spectrometers 05064
Military engineering, Cartography, Computer programs, Tracking, Displays 02189
Military engineering, Mapping, Displays, Data bases, Terrain analysis 02224
Music, Music scores transcription, Artificial intelligence 01477
Office automation, Broadcasting, Printing industry, Raster displays 07289
Optical character recognition, Information processing, Standards 05685
Packaged components, Interactive systems, Integrated circuits 02827
Plotters, Economics 05387
Power plants, Control systems, Microprocessors, Man machine interactions 03397
Printed circuit boards, Routing, Computer aided design 07626
Radiography, Image processing, Tracking, Cameras, Displays 03669
Raster displays, Cartography, Identification, Pattern recognition, Automation 02249
Raster displays, Data structure, Mapping, Geography, Information systems 02216
Raster displays, Forestry, Mapping, Remote sensing 02241
Raster displays, Geology, Cartography, Mapping 02195
Raster displays, Image processing, Polygon conversion 07332
Raster displays, Mapping, Plotting, Data structure 02232
Raster displays, Remote sensing, Cartography 02202
Raster displays, Reproduction (copying), Office automation, Lasers 02605
Reliability, Parallel processing, Redundancy 08578
Remote sensing, Agriculture, Soil science 07036
Remote sensing, Mapping, Displays, Image processing, Software development 02225
Robots, Simulation, Computer aided design 08563
Satellite communications, Microcomputers, Teletext, Software development 06196
Simulation, Electronic equipment, Networks, Man machine interactions 05514
Simulation, Robots, Programming languages, Personal computers, Time measurement 05177
Simulation, Telecommunications, Delay, Displays, Control systems 05237
Simulation, Training, Helicopters, Cell texturing 03635
Systems design, Office automation, Productivity, Slide-making systems 00604
Teleconferencing, Communication networks, Telephones, Integrated systems 06200
Teleconferencing, Video systems, Microprocessors, Workstations, Simulation 04561
Teleconferencing, Vision, Image processing, Interactive systems 06157
Telemetry, Electronic mail, Federal Express 07817
Telemetry, Signal to noise ratio, Data collection, Pulsewidth modulation 06184
Topography, Data collection, Scanning, Data bases, Standards 02218
Videodisks, Technology, Game playing, Interactive systems 02547
Vision, Inspection, Automation, Surface texture, Pattern recognition 02574
Computer numerical control,
Gauges, Machining centers, Cutting tools 02053
Laser machining, Welding, Engines, Turbines 00984
Machinery, Computer aided manufacturing, Engines, Turning 05236
Machining, Sheet metalworking, Production 08728
Computer output microfiche,
Records management, Information retrieval, Computer aided analysis 02294
Computer programs,
Agriculture, Image processing, Tracking, Simulation, Satellite communications 02236
Bandwidths, Differential equations, Optics, Waveguides, Regression analysis 02646
Bipolar devices, Transistors, Simulation, Dissertation 01169
Capacitors, Voltage, Reliability, Failure, Simulation 04898
Chebyshev polynomials, Approximations, Algorithms, Signal processing, Filters 02353
Circuitry, Machinery, Synchronization, Waveforms, Simulation 00064
Communication networks, Integrated circuits, Microwave devices 07619
Communication networks, Modeling, Education 07154
Eddy current, Information retrieval, Search strategies 03459
Eddy current, Performance, Research and development 06763
Education, Electric power generation, Displays, Stability 04953
Electric power generation, Stability, Simulation, Stochastic processes 01858
Electromagnetics, Accelerators, Performance, Machinery, Energy 06725
Electromagnetics, Mesh generation, Finite element method, Minicomputers 06402
Fault tolerance, Reliability, Circuitry, Generators, Testing 05500
Feeders, Distribution, Recursion, Algorithms, Waves 00124
Finite element method, Electric variables measurement 06627
Finite element method, Electromagnetics, Problem solving, Numerical analysis 06807
Gallium arsenide, Random access memory, Standby systems, Current voltage 03750
Hierarchies, Control systems, Programming languages 05171
Hydroelectric power generation, Pumps, Storage, Desktop systems, Simulation 01702
Integrated circuits, Junctions, Simulation, Capacitors 02802
Mapping, Mathematical models, Bathymetric charts, Image processing 00566
Mapping, Solar energy, Photography, Remote sensing, Sunlight site selection 02259
Metal oxide semiconductors, Capacitance, Voltage, Simulation, Algorithms 01220
Metal oxide semiconductors, Integrated circuits, Matrices, Simulation 01256
Microprocessors, Software development, Buses, Signal processing, Testing 01455
Military engineering, Cartography, Tracking, Computer graphics, Displays 02189
Military, Resource management, Technology, Control systems 02118
Minicomputers, Failure, Detection, Guidance and control systems 06283
Modeling, Metal oxide semiconductors, Integrated circuits 07585
Noise, Filters, Oscillation, Performance, Dissertation 07130
Optics, Computer aided design, Vision, Diffraction, Dissertation 00870
Optimization, Microwaves, Noise, Delay, Circuitry 03239
Personal computers, Circuitry, Statistical analysis, Performance 07644
Photogrammetry, Image processing, Distortion, Displays, Cameras 05583

Computer programs, (continued)
Power systems, Flow, Time measurement, Circuit breakers, Dissertation 04897
Process control, Computer aided manufacturing, Reliability 02009
Programmable calculators, Filters, Amplifiers, Biomedical engineering, Testing 00640
Programming, Logic circuits, Arrays, Silicon, Optimization 04466
Radios, Wave propagation, Modeling, Minicomputers, Satellite communications 01602
Robots, Computer aided control, Planning, Numerical analysis, Dynamics 06914
Scattering, Arrays, Electromagnetics, Impedance, Dissertation 01605
Simulation, Flow, Measurement, Desktop systems 03534
Simulation, Geometry, Integrated circuits, Metal oxide semiconductors 02768
Simulation, Optimization, Bipolar devices, Metal oxide semiconductors 02817
Software development, Productivity, Reliability, Military 02117
Sonobuoys, Oceanography, Validation, Waves, Modeling 07056
Statistical analysis, Testing, Electrical insulation, Regression analysis 01771
Synthesis, Circuitry, Input output 00666
Transmission lines, Loading, Electric variables control, Simulation, Waves 05821
Typesetting, Microprocessors, Disks, Text editing, Economics 02303
Conductance,
Admittance, Noise, Two port devices 00296
Capacitance voltage, Metal oxide semiconductors, Capacitors 01196
Charge carriers, Interfaces, Metal oxide semiconductors 01152
Cyclotrons, Resonance, Magnetic fields, Lasers 01670
Fabrication, Admittance, Metal insulator semiconductors 01136
Gallium arsenide, Diodes, Carrier density, Noise 09192
Grounding, Current voltage, Electric power apparatus, Networks 00663
Hydrogen, Lead, Acids, Batteries 00179
Instrumentation, Bipolar devices, Current voltage, Computer aided control 03551
Insulators, Metal oxide semiconductors, Field effect transistors, Modeling 01189
Josephson junctions, Tunneling, Cadmium sulfide, Lead, Illumination 04167
Mathematical models, Microelectronics, Circuitry, Diagnostics, Controllers 01252
Metal insulator semiconductors, Carbon, Silicon, Sputtering 09185
MOSFET, Transistors, Current voltage 05951
Oxidation, Metal oxide semiconductors, Capacitors, Stress 00730
Reliability, Physics, Circuitry, Design, Technology 07632
Conduction,
Dark conduction, Cadmium selenide, Spraying, Radiography, Optical analysis 07334
Dark conduction, Photodiodes, Current density, Recombination 07259
Dark conduction, Photodiodes, Tunneling, Mercury cadmium telluride 07260
Eddy current, Magnetic fields, Vectors, Flow, Numerical analysis 06754
Eddy current, Magnetic fields, Vectors, Numerical analysis 06820
Electromagnetics, Stability, Modeling, Finite element method 07449
Energy, Absorption, Electric variables control, Human exposure 05292
Finite element method, Phase shifts, Cavities, Cells, Loading 04826
Ionic conduction, Current, Amplifiers, Circuitry, Mass spectrometry 05523
Magnetic fields, Eddy current, Numerical analysis 05087
Conductivity,
Adhesives, Probes, Microelectronics, Integrated circuits 02791
Conductors, Ions, Noise, Ceramics 00710
Distortion, Magnetic fields, Oceanography, Sensors, Packaged components 01607
Electric fields, Voltage, Transmission lines, Bipolar devices 01042
Electric power generation, Channels, Magnetohydrodynamics, Boundary layers 00163
Electromagnetic waves, Gas dynamics, Acoustic waves, Explosions 00341
Fibers, Laplace force, Charge carriers, Current 02469
Field effect transistors, Metal oxide semiconductors, Hall effect 02737
Fluidics, Salinometers, Oceanography, Salts 02272
Fuel cells, Discharge, Energy storage components, Graphite 00173
Impedance, Graphite, Electrodes, Batteries 00172
Inspection, Materials testing, Electric variables measurement 07227
Magnetohydrodynamics, Drag, Incompressible flow 00168
Magnetohydrodynamics, Incompressible flow, Viscosity, Drag 00169
Phases, Transducers, Eddy current, Amplitude 05845
Radio frequency, Microwaves, Frequency, Neurology, Dielectric permittivity 00522
Resonance, Dipoles, Atmospheric physics 01609
Rotating bodies, Magnetic fields, Wave propagation, Scattering 08120
Slot antennae, Electric fields, Numerical analysis 01665
Standards, Insulators, Pollution control, Failure, Statistical analysis 02474
Surface properties, Connectors, Contacts, Precious metals, Heat treatment 02466
Surface properties, Electromagnetic waves, Scattering 00012
Time measurement, Carrier mobility, Signal processing, Current 02717
Water pollution, Nondestructive testing, Geodesy 02167
Wave propagation, Magnetostatics, Plasmas 00029
Conductors,
Arc furnaces, Systems design 02470
Cables, Telephones, Flames, Materials testing, Environmental protection 09453
Circuitry, Arc furnaces, Current, Power supply 02465
Circuitry, Cables, Voltage 08218
Circuitry, Modeling 03811
Computer aided analysis, Transmission lines, Ampacity 00116
Computer aided analysis, Transmission lines, Thermal variables measurement 00114
Control systems, Tuning, Atmospheric conditions, Galloping 08846
Crack propagation, Current density, Potentials, Electric fields 00713
Cross sectional measurement, Waveguides, Dissipation, Optimization 04310
Cryogenics, Superconductivity, Stability 04253
Dipoles, Representation, Pattern recognition, Potentials, Green's function 07223
Eddy current, Boundary value problems, Integral equations, Electromagnetics 06757
Eddy current, Density, Boundary element method, Magnetic fields 05559
Eddy current, Finite element method, Integrodifferential equations 07224
Eddy current, Numerical analysis, Integrodifferential equations 06730
Eddy current, Problem solving, Circuitry, Numerical analysis 06759
Eddy current, Surface properties, Magnetic fields, Tokamaks 06752
Eddy current, Vacuum technology, Density, Mathematical models 06764
Electrolytes, Moisture measurement, Insulators 01755
Electromagnetic fields, Transducers, Eddy current, Rods 02656
Excitation, Performance, Coronas, Interference, Noise 08209
Explosions, Current, Heating, Thermodynamics 08323
Finite element method, Eddy current, Electromagnetics, Distributions, Testing 06756
Conductors, (continued)
Fluidics, Transmission lines, Deformation 01
Insulators, Spectral analysis, Impedance, Discharges, Ultraviolet, Explosions 01
Ions, Electrodes, Interfaces, Noise, Ceramics 00
Junctions, Hamiltonians, Superconductivity, Dissertation 00
Leak detection, Transmission lines, Flowmeters 00
Lightning, Current, Transmission lines, Electrodes, Grounding 01
Magnetic variables control, Finite difference method, Finite element method 07
Motors, Rotors, Metals, Numerical analysis, Testing 07
Numerical analysis, Eddy current, Density, Matrices, Metals 06
Performance, Transmission lines, Solenoids, Superconductivity 04
Power plants, Fault detection, Grounding, Relays 01
Power systems, Field effect transistors, Metal oxide semiconductors 02
Programming languages, Magnetostatics, Problem solving, Algorithms 07
Pulse generation, Explosions, Shock waves, Wave propagation 03
Screens, Electromagnetics, Dielectricity, Integral equations 03
Simulation, Loops, Modeling, Performance, Current 03
Solar cells, Films, Furnaces, Heat treatment, Infrared 05
Solenoids, Magnets, Superconductivity, Current density 041
Sulfur fluoride, Transmission lines, Insulators 072
Superconductivity, Magnets, Pulse generation 041
Superconductivity, Phase transitions, Thermal variables measurement 007
Surface properties, Integrated circuits, Electromigration, Thin films 024
Thermal variables measurement, Transmission lines, Computer aided analysis 01
Transmission lines, Design, Theoretical analysis 09
Transmission lines, Dissipation, Dielectrics 08
Transmission lines, Fatigue, Vibration, Strain gauges 007
Transmission lines, Harmonics, Magnetic fields 065
Transmission lines, Impedance, Capacitance 034
Transmission lines, Insulators, Repair, Cables 001
Transmission lines, Waveguides, Impedance 007
Transmittance, Reflectance, Infrared, Electrodeposition 007
Voltage, Inductance, Electromagnetic fields, Transmission lines 007
Connectors,
Aluminum, Cables, Relaxation, Plating, Telephones 072
Aluminum, Corrosion prevention, Abrasion, Surface protection 072
Coil winding machines, Generators, Symmetry 00
Contacts, Design, Microwaves, Couplers, Detectors 055
Contacts, Gold, Plating 038
Contacts, Precious metals, Surface properties, Conductivity, Heat treatment 024
Control systems, Current voltage, Thyristors, Balancing 017
Electrical connectors, Switching, Arc erosion, Testing 024
Fiber optics, Coupling, Lasers, Performance, Packaged components 093
Fiber optics, Transmission lines, Tolerance, Alignment 029
Gallium arsenide, Integrated circuits, Optoelectronics 089
Integrated circuits, Architecture, Bandwidths, Technology 092
Integrated circuits, Friction, Lubricants, Packaged components 027
Integrated circuits, Gallium arsenide, Optoelectronics, Fabrication 089
Magnets, Superconductivity, Current, Structural analysis 041
Moisture control, Integrated circuits, Degradation, Contacts 028
Optical communications, Modulation, Heterostructure lasers 090
Printed circuit boards, Packaged components, Integrated circuits, Failure 028
Printed circuit boards, Soldering, Integrated circuits, Failure 027
Resistivity, Superconductivity, Logic circuits, Integrated circuits 040
Soldering, Packaged components, Storage, Integrated circuits, Failure 028
Solenoids, Shielding, Current density, Transmission lines, Magnets 041
Switches, Electric power generation, Transients 017
Tin, Contact resistance, Interfaces, Dynamics 072
Transmission lines, Charge carriers, Power systems, Telecommunications 032
Waveform generators, Josephson junctions, Logic circuits, Packaged components 041
Wear, Vibration, Voltage, Contact resistance, Plating 072
Construction,
Computer aided design, Accelerators, Planning 016
Environmental protection, Nuclear power plants, Statistical analysis 018
Microprocessors, Filters, Error, Simulation, Weighting 023
Power plants, Solar power generation, Economics 018
Consumer electronics,
Banking, Personal computers, Videotex, Standards, Home banking 094
Education, Video systems, Technology 077
Electronic funds transfer, Security, Computer crime 030
Game playing, Testing, Covariance, Statistical analysis, Dissertation 054
Game playing, Videodisks, Technology, Computer graphics, Interactive systems 025
Information retrieval, Videotex, Dissertation, Electronic newspapers 094
Technology, Televisions, Bandwidths 093
Telecommunications, Technology, Japan 094
Videodisks, Computer aided design, RCA Selectavision 0294
Contacts,
Aluminum, Cables, Connectors, Plating, Telephones 072
Aluminum, Surface properties, Fretting, Corrosion, Scanning electron microscopy 0687
Charge carriers, Space charge, Photoconductivity 0248
Charge, Dust, Adhesion, Electric variables measurement 0508
Composite materials, Printed circuit boards, Packaged components 0278
Connectors, Design, Microwaves, Couplers, Detectors 0556
Contact resistance, Coupling, Dynamics 0722
Contact resistance, Solar cells, Metallization, Semiconductors 0727
Contact resistance, Tin, Connectors, Interfaces, Dynamics 0723
Contact resistance, Voltage, Vibration, Wear 0723
Degradation, Integrated circuits, Moisture control, Connectors 0286
Design, Solar energy, Concentrators, Solar cells, $Al_xGa_{1-x}As$-GaAs 0564
Design, Vacuum technology, Interrupters, Arcs 0657
Displacement, Insulators, Springs, Finite element method 0512
Electrical resistivity, Interfaces, Metal oxide semiconductors, Modeling 0285
Electrical resistivity, Semiconductors, Friction, Surface properties, Aluminum 0346
Fabrication, Integrated circuits 0283
Film growth, Organic compounds, Printed circuit boards, Testing 0556
Fretting, Corrosion, Coatings, Plating 0723

ntacts, (continued)
Gold, Palladium, Alloys, Friction, Wear 07229
Heat transfer, Stress, Thermodynamics, Finite element method 07232
Manufacturing, Silver, Alloys, Oxidation, Atomization 07236
Metals, Gallium arsenide, Stress, Schottky diodes, Voltage 02715
Metals, Polyacetylene, Current voltage, Capacitance voltage, Photoconductivity 05147
Metals, Semiconductors, Diodes, Current voltage, Barrier heights 07542
Metals, Silicides, Schottky diodes, Emissions, Tunneling 05914
MNOS, Transistors, Silicon nitride, Injection, Degradation 05932
Ohmic contacts, Field effect transistors, Indium gallium arsenide, Fabrication 09251
Ohmic contacts, Gallium arsenide, Fabrication, Optimization, Alloys 09302
Ohmic contacts, Titanium, Platinum, Semiconductor lasers, Annealing 04028
Palladium, Gold, Electroplating, Electrical resistivity, Wear 03885
Pn junctions, Metal oxide semiconductors, Electrical resistivity, Sintering 02825
Point contacts, Metals, Electrons, Phonons, Noise 06875
Point contacts, Silicon, Solar cells, Design, Energy conversion 05612
Precious metals, Connectors, Surface properties, Conductivity, Heat treatment 02466
Resistance, Aluminum, Silicon, Doping, Annealing 03474
Schottky diodes, Barrier heights, Gallium arsenide, Space charge, Oscillators 09176
Schottky diodes, Pn junctions, Transport properties, Charge carriers 04385
Semiconductors, Current voltage, Schottky diodes, Charge carriers 01130
Silicon, Aluminum, Transmission lines, Electrical resistivity, Doping 05074
Silicon, Electrical resistance, Impedance, Performance 09304
Silicon, Solar cells, Metallization, Current voltage, Rutherford backscattering 05618
Silicon, Transistors, Transconductance, Voltage, Capacitance 09203
Silver, Composite materials, Refractories, Surface properties, Erosion 07237
Solar cells, Metallization, Degradation, Electrochemistry 05654
Space charge, Boundary layers, Thickness measurement, Dielectric permittivity 02689
Switches, Erosion, Numerical analysis 06720
Thin films, Lubricants, Dyes, Fluorescence 07230
Tin, Gold, Fretting, Corrosion 07240

ntamination,
Adhesives, Microelectronics, Ions, Semiconductors 02859
Insulators, Charge, Voltage, Electrodes 01774

ntrast,
Image processing, Electron microscopy, Phases, Pattern recognition 00884
Radiography, Image processing, Digitizing 00843

ntrol,
Adaptive control, Signal processing, Antennae 03248
Automata, Fabrication, Fault detection 04468
Broadcasting, Satellite communications, Televisions, Government regulations 07797
Closed loop systems, Quantization, Pulse code modulation 06909
Data transmission, Communication networks, Diagnostics, Case studies 03031
Decoupling, Time varying systems, Feedback 05230
Feedback, Dynamical systems, Structural analysis, Boundary value problems 02016
Feedback, Transfer functions, Discrete time systems 05229
Instrumentation, Measurement, Process analysis, Composition measurement 06381
Linear systems, Systems analysis, Precompensator design 05225
Mechanical handling, Robots, Artificial intelligence 05201
Modeling, Power systems, Planning, Loading 08344
Modeling, Reliability, Power systems 03404
Oscillators, Stability, Feedback 06940
Prosthetics, Artificial limbs, Biomedical engineering, Pattern recognition 05344
Satellite communications, Broadcasting, Signal reception 07775
Signal transmission, Channels, Radio communications 01574
Systems analysis, Feedback, Guaranteed roll-off 05170
Traffic, Networks, Management, Reliability 08775

ntrol systems,
Access, Communication networks, Random processes, Delay, Numerical analysis 09595
Acoustics, Electromagnetics, Diffraction, Coherence, Wave propagation 00823
Acoustics, Motor vehicles, Transducers, Automation, Economics 00622
Acoustics, Rotors, Circulation, Noise, Wind tunnels 05103
Adaptive control, Helicopters, Fuel efficiency, Systems design, Turbines 02072
Adaptive control, Stability, Parameter estimation 05195
Aircraft, Electronics, Ventilation, Thermodynamics 06972
Aircraft engineering, Helicopters, Automatic control, Mathematical models 06971
Aircraft engineering, Helicopters, Computer aided design 02092
Aircraft, Propulsion, Performance, Multivariate analysis, Modeling 08580
Alarm systems, Instrumentation, Protection 08711
Alarm systems, Security, Systems design 05383
Algorithms, Harmonics, Software development, Nonlinear equations, Dissertation 05921
Algorithms, Identification, Multivariable systems, Noise, Filters 03572
Antennae, Arrays, Feedback, Signal processing, Least squares estimation 00055
Apertures, Shaping, Antennae 04846
Attitude control, Satellite communications, Broadcasting, Spacecraft, Japan 02975
Automatic control, Optical storage, Focusing 01499
Automotive engineering, Sensors, Computer aided design 00617
Boilers, Steam turbines, Power plants 01705
Circuitry, Communication networks, Flow, Traffic, Simulation 04580
Circuitry, Solar cells, Power supply, Converters, Performance 08222
Circuitry, Voltage 08796
Communication networks, Algorithms, Topology, Routing, Microcomputers 02985
Communication networks, Classification, Permutation, Modeling 09299
Communication networks, Protection, Fault tolerance 00592
Communication networks, Protocols, Arrays, Customer services 02991
Communication networks, Standards, Signal processing, Interference 02891
Communication networks, Traffic, Transmission lines, Modeling 06351
Compressors, Offshore structures, Drilling 00435
Compressors, Process control 00436
Computer aided instruction, Education, Machining, Laboratories 08145
Computer applications, Aircraft, Lightning, Simulation 00471
Computer graphics, Interactive systems, Displays, Terminals, Oscillation 02305
Computer programs, Programming languages, Computer aided manufacturing 05171
Conductors, Tuning, Atmospheric conditions, Galloping 08846
Convergence, Difference equations, Filtering, Optimization, Stability 06382
Converters, Microcomputers, Optimization, Noise, Testing 03878

Control systems, (continued)
Cryogenics, Transmission lines, Linear accelerators, Solenoids, Magnets 04212
Current, Frequency, Voltage, Dissipation, Motors 00071
Current, Servomechanisms, Semiconductor lasers 04009
Current voltage, Amplifiers, Frequency 07186
Current voltage, Loading, Thyristors, Balancing 01761
Current, Voltage, Motors, Filters, Electrical conductivity 01751
Damping, Power systems, Stability, Synchronous machines 00077
Data collection, Artificial intelligence, Spectrometers 05079
Design, Fabry Perot interferometers, Etalons, Far infrared 08406
Design, Nonlinear programming, Computer aided analysis, Electronic equipment 08559
Distributed systems, Manufacturing, Process control, Systems design 03571
Drives, Pumps, Induction motors, Wear, Failure 04869
Dynamics, Servomechanisms, Drives 01770
Electric power distribution, Loading, Management, Economics, Systems design 06571
Electric power distribution, Telemetry, Microprocessors, Data transmission 04601
Electric power distribution, Telemetry, Pulse code modulation, Security 03315
Electric power distribution, Voltage, Generators, Inverters 08172
Electric power generation, Capacitors, Technology, Economics 05025
Electric power generation, Education, Data collection 08346
Electric power generation, Electric power transmission, Security, Monitoring 04907
Electric power generation, Frequency, Machinery, Wind, Transducers 08352
Electric power generation, Loading, Energy conservation, Economics 03388
Electric power generation, Loading, Management, Modeling, Dissertation 01853
Electric power generation, Operators, Problem solving 06614
Electric power generation, Planning, Book 06705
Electric power generation, Reliability, Costs, Computer aided analysis 04966
Electric power generation, Scheduling, Technology, Loading 04886
Electric power generation, Stability, Structural analysis, Numerical analysis 06609
Electric power generation, Utilities, Processors, Security, Interfaces 01857
Electric power transmission, Estimation, Filters, Security, Random processes 06683
Electric power transmission, Reliability, Performance, Failure 04905
Electric vehicles, Propulsion, Microcomputers, Intel 8086 07101
Electron beams, Gas lasers, Discharges, Pumping 08976
Electronic equipment, Tractors, Agricultural machinery 00626
Energy conservation, Thyristors, Electric furnaces, Steelmaking 02626
Energy storage components, Hydroelectric power generation, Pumps 00137
Error detecting codes, Communications, Reliability, Data transmission 06221
Excitation, Power systems, Design, Stability 06512
Feedback, Education, Sensitivity, Systems design 02019
Feedback, Equivalence, Canonical forms, Nonlinear systems, Dissertation 00236
Feedback, Output, Vectors, Measurement 08550
Feedback, Tracking, Time varying systems, Trajectories, Robots 00390
Filters, Amplifiers, Bipolar devices, Integrated circuits, Current voltage 08755
Filters, Loops, Feedback, Stability, Switching 00402
Filters, Metal oxide semiconductors, Oscillators, Input, Programming 05528
Frequency, Aluminum gallium arsenide, Semiconductor lasers 04025
Frequency, Drives, Motors, Energy conservation 06542
Frequency, Induction motors, Drives, Inverters, Costs 08157
Frequency, Power systems, Induction motors 08162
Glow discharge, Switches, Lasers, Ions, Photodetachment 06640
Harbor installations, Navigation, Information retrieval 03094
Helicopters, Propulsion, Turbines, Economics 03639
Hydroelectric power generation, Microcomputers, Water supply, Loading 03381
Hydroelectric power generation, Storage, Pumps, Research and development 06606
Image processing, Displays, Acoustics, Software development 03989
Image processing, Signals, Parameter estimation, Performance, Algorithms 07963
Induction motors, Dynamics, Performance, Research and development 04868
Induction motors, Feedback, Modeling, Current 03273
Induction motors, Inverters, Current voltage, Frequency 06513
Induction motors, Oscillation 01698
Industrial plants, Automation, Robots 06905
Industrial plants, Instrumentation, Precision engineering, State of the art 03408
Industrial processes, Position control, Microprocessors 05223
Industrial processes, Production control, Radios 09308
Integrated circuits, Data transmission, Remote sensing, Personal computers 03157
Integrated circuits, Switching, Communication networks, Distributed systems 01446
Interfaces, Paging systems, Telephones, Software 03063
Lift trucks, Microprocessors, Electric vehicles 00448
Loading, Air conditioners, Reliability 08231
Local area networks, Architecture, Modeling, Data communications, Standards 00139
Local area networks, Protocols, Access, Stability, Delay 01428
Management, Electric power generation, Cost benefit analysis 08356
Manipulators, Algorithms, Dynamics, Optimization, Dissertation 00422
Manipulators, Robots, Production, Quality control, Dissertation 06910
Mapping, Satellite communications, Mirrors, Scanning, Error 07019
Mathematical models, Actuators, Simulation, Hydraulic control equipment 02037
Mechanical handling, Automation, Data processing, Design, Interface 02332
Mechanical handling, Manipulators, Simulation 05203
Mechanical handling, Robots, Microprocessors, Intel 8086 08565
Mechanical handling, Robots, Robustness 06925
Medical electronics, Signal processing, Cardiovascular system 03673
Microprocessors, Power plants, Conveyors 08413
Microprocessors, Process control, Technological forecasting, Costs 00389
Microprocessors, Signal processing, Frequency, Electric power generation 04942
Microprocessors, Simulation, Robustness, Velocity 01692
Military aircraft, Displays, Alarm systems, Systems design 03624
Military engineering, Weapons, Missiles, Video systems, Testing 08626
Military, Resource management, Computer programs, Technology 02118
Minicomputers, Interactive systems, Simulation, DESIRE 05418
Mobile systems, Radio communications, Data transmission 04529
Modeling, Simulation, Numerical analysis 05178
Modeling, Transformers, Electric power generation, Flow, Voltage 09162
Modulation, Pulses, Drives, Inverters, Read only memory 03307
Motors, Excitation, Performance, Circuitry 08152
Motors, Rotors, Energy recovery, Drives, Electric variables control 06526

Control systems, (continued)
Motors, Valves, Nuclear power plants, Circuitry, Reliability 08144
Multivariable systems, Reduced order observers, Feedback 05176
Networks, Electric power distribution 08248
Nuclear magnetic resonance, Pulse generation, Channels 05044
Nuclear power plants, Electric power generation, Downtime, Fault detection 00196
Nuclear power plants, Estimation, Modeling, Optimization 03346
Nuclear power plants, Monitoring, Fault detection 05162
Nuclear power plants, Simulation, Computer graphics, Displays 00191
Nuclear power plants, Standards, Technological forecasting 00192
Nuclear reactors, Failure, Design, Speech synthesis, Man machine interactions 03344
Nuclear reactors, Monitoring, Fault detection 04988
Nuclear reactors, Monitoring instruments, Radiation 01808
Optimal control, Arc welding, Sensors 00443
Optimization, Nuclear power plants, Loading, Modeling 06658
Optimization, Reliability, Modeling, Errors, Dissertation 06931
Oscillators, Design, Voltage, Phase shifts 07206
Paper industry, Machinery, Induction motors, Economics, Maintenance 03287
Parallel processing, Networks, Machine machine interactions, Routing 05385
Petrochemical industry, Automation, Systems design, Man machine interactions 00399
Petrochemical industry, Thermal insulation, Corrosion resistance 05550
Position control, Dredgers, State of the art 00553
Power plants, Automation, Programmable controllers 08240
Power plants, Microprocessors, Man machine interactions, Computer graphics 03397
Power plants, Reliability, Economics 03313
Power plants, Turbines, Current voltage, Generators, Simulation 05017
Power supply, Switches, Heat transfer, Capacitors 02482
Power supply, Voltage, Materials testing, Process development, Manufacturing 04906
Power systems, Design, Circuitry, Stability, Dissertation 08135
Power systems, Frequency, Voltage, Signals 08137
Power systems, Stability, Current 08246
Pressure measurement, Automotive industry, Films, Sensors 04338
Printing, Electrostatics, Synchronization, Ink-jets 08729
Probes, Data collection, Routines, Integrated systems, Software development 05693
Process industries, Distributed networks, Programmable controllers 03585
Production control, Flexible manufacturing systems, Systems analysis 02326
Programmable controllers, Failure, Redundancy, Economics 05218
Programming, Automation, Path location 00403
Propulsion, Railway engineering, Emissions control, Electromagnetics 03764
Protocols, Communication networks, Data transmission, Scheduling, Dissertation 03734
Protocols, Queueing theory, Validation, Simulation, Satellite communications 04610
Pumps, Frequency, Drives, Design, Loading 04875
Radios, Telecommunications, Microwave devices, Microprocessors, Maintenance 06109
Railway engineering, Railway stations, Management, Videopult system 03768
Railway engineering, Traffic, Communications 02898
Random access memory, Transistors, Circuitry, Optimization, Frequency 04452
Realtime systems, Power plants, Electric power generation 03393
Recording systems, Kinematics, Holography 07423
Recording systems, Video systems, Fatigue, Hydraulic control equipment 01883
Relays, Research and development 05830
Reliability, Spacecraft, Displays 03953
Remote control, Shipbuilding, Design, Underwater technology, Oil exploration 05427
Research and development, Machinery, Computer aided control 05168
Research and development, Systems design 02011
Reservoirs, Water treatment plants, Pumping stations, Monitoring 08576
Robots, Adhesives, Seals, Kinematics, Computer aided manufacturing 06917
Robots, Artificial intelligence, Software development, Decision schema 06929
Robots, Asymptotic behavior, Manipulators, Modeling 03600
Robots, Dynamics, Research and development 05214
Robots, Lasers, Vision, Scanning, Modeling 07430
Robots, Man machine interactions, Training, Maintenance 05197
Robots, Manipulators, Actuators, Servomechanisms, Numerical analysis 05213
Robots, Manipulators, Numerical analysis 02054
Robots, Mechanical handling, Algorithms, Precision engineering, Microcomputers 00433
Robots, Mechanical handling, Sensors, Vision, Research and development 05212
Robots, Procedures, Systems design 03595
Robots, Software development, Mechanical handling, Manipulators, Algorithms 02052
Robots, Software development, State of the art 05200
Robots, Stability, Mechanical handling 08552
Robots, Structural parts, Components 03612
Robots, Technological forecasting, Product development 03582
Robustness, Numerical analysis, Optimization, Loops 05175
Rolling mills, Metals, Automation, Thickness measurement 02063
Satellite communications, Antennae, Electronic equipment, Switching 01398
Satellite communications, Broadcasting, Interference, Precipitation, Loops 02980
Satellite communications, Coding, Time measurement, Signal processing 03650
Satellite communications, Data transmission, Traffic, Delay 06093
Satellite communications, Machine machine interactions, Data transmission 04593
Satellite communications, Radar, Frequency, Radios, Research and development 06460
Satellite communications, Software development, NATO III 06182
Satellites, Space technology 08618
Satellites, Telecommunications, Aerodynamics, Spacecraft 00476
Scanning, Measurement, Semiconductors, Mapping, Microprocessors 02548
Semiconductors, Switches, Voltage, Photodiodes 02491
Sensors, Arc welding, Robots, Feedback 02021
Sensors, Robots 08558
Servomechanisms, Memory, Resistance, Electric variables measurement 03573
Servomotors, Velocity control, Simulation 06523
Ships, Marine engineering, Engines, Propulsion, Automation 02331
Signal converters, Current, Pulse generation, Channels 00118
Signal processing, Design, Parameter estimation, Feedback, Differentiation 06342
Signal processing, Testing, Networks, Circuitry 07167
Signal transmission, Error, Robustness, Reliability, Coding 07921
Simulation, Modeling, Dynamics, Electronic equipment, Problem solving 03568
Simulation, Modeling, Loops, Electromagnetics, Hysteresis 01084
Simulation, Satellite communications, Signal transmission, Error, Receivers 02993

Control systems, (continued)
Simulation, Signal processing, Microcomputers, Programming, Measurement 01
Simulation, Telecommunications, Delay, Displays, Computer graphics 05
Simulation, Voltage, Induction motors, Loading, Algorithms 06
Simulation, Wind turbines, Electric power generation, Generators 06
Spacecraft, Reliability 08
Spectroscopy, Signal processing, Noise, Amplitude 03
Speech recognition, Ergonomics, Automotive engineering 02
Speech transmission, Local area networks, Distributed systems, Packet switching 07
Stabilization, Satellites, Antennae 01
Stochastic processes, Variance, Algorithms, Noise, Parameter estimation 05
Superconductors, Coil winding machines, Current voltage, Electrostatics 04
Switches, Integrated circuits, Voltage, Metal oxide semiconductors 08
Switching, Transmission, Broadcasting, Antennae 03
Switching, Transmission lines, Generators 06
Synchronization, Signal processing, Noise, Simulation, Modeling 03
Synthesis, Output, Feedback 00
Systems analysis, Dynamical systems, Stability 03
Systems analysis, Spacecraft, Satellite communications 02
Telecommunications, Microwave devices, Radios, Machine machine interactions 06
Telecommunications, Power supply, Semiconductors, Book 08
Telecommunications, Telephone call processing, Multiparty facilities 03
Thermal variables control, Power plants, Automation, Mathematical models 01
Thermometers, Thermal variables control, Microprocessors 00
Thyristors, Impedance, Inductance, Motors 06
Thyristors, Power systems, Oscillation, Damping, VAr compensators 08
Thyristors, Power systems, Transportation, Brakes, Mathematical models 081
Torque measurement, Inverters, Synchronous motors, Damping 04
Tracking, Design, Feedback 08
Tracking, Performance, Estimation, Design 06
Tracking, Random access memory, Microprocessors, Optical storage 014
Transfer functions, Parameter estimation, Signal processing, Pulses 02
Transportation, Frequency, Signals, Optimization, Modeling 071
Turbines, Hydroelectric power generation, Torque, Flow, Generators 05
Turbines, Wind energy, Drives 017
Underwater technology, Unmanned vehicles, Remote control, Data transmission 07
Utilities, Electric power distribution 03
Utilities, Electric power generation, Atlantic City Electric Co. 03
Utilities, Electric power generation, Security, Reliability 018
Utilities, Electric power generation, Software development 04
Utilities, Loading 05
Vectors, Mathematics 06
Video systems, Speech transmission, Data transmission 029
Voltage, Accelerators, Electrons, Fiber optics, Van de Graaff accelerator 077
Voltage, Aircraft engineering, Laboratory testing 069
Voltage, Bridges, Signal converters, Harmonics, Filters 072
Voltage, Electrostriction, Electromagnetics, Fabrication 058
Voltage, Induction motors, Motors, Starters 065
Voltage, Induction motors, Thyristors 081
Voltage, Oscillators, Resistors, Integrated circuits 072
Voltage, Stators, Power supply, Induction motors, Rectifiers 000
Voltage, Telecommunications, Testing, Parallel processing 082
Voltage, Thyristors, Inverters, Harmonics 065
Voltage, Thyristors, Motors, Circuitry 071
Voltage, Transistors, Metal oxide semiconductors, Current density 092
Water supply, Distribution, Telemetry, Communications, Research and development 045
Weapons, Reliability, Logic, Multiprocessors, Research and development 036
Wiener processes, Poisson processes, Systems analysis 020
Control theory,
Feedback, Distributed parameter systems 052
Feedback, Sensitivity 069
Filters, Distributed processing, Arithmetic, Structural analysis 023
Microprocessors, Power systems, Gears, Relays 074
Power systems, Velocity, Simulation, Induction motors 048
Satellites, Attitude control, Simulation 085
Controllers,
Algorithms, Prediction, Self-tuning systems, Input output, Parameter estimation 051
Algorithms, Signal processing, Amplifiers, Software development 079
Arc welding, Mechanical handling, Robots 020
Artificial intelligence, Position control 052
Asymptotic behavior, Simulation 004
Automatic control, Compensators, Design 020
Cableway systems, Automatic control 035
Chemical process industry, Performance, Least squares estimation, Algorithms 052
Circuitry, Modeling, Terminals, Resistors 071
Circuitry, Stability, Simulation 038
Circuitry, Time measurement 055
Combustion, Engines, Sensors, Thin films, Performance 075
Communication networks, Multiprocessors, Packet switching, Delay, Loading 062
Communication networks, Tracking, Stability, Simulation, Power systems 049
Computer aided control, Electric power generation, Modeling, Simulation 048
Data collection, Storage, Analog to digital converters, Pulses 0514
Design, Eigenvalues, Duality 052
Design, Performance, Tracking, Dissertation 085
Drives, Design, Electric variables measurement, Induction motors 048
Drives, Servomechanisms, Failure, Velocity 000
Electric power distribution, Loading, Decision making, Artificial intelligence 082
Electric power generation, Attenuation, Simulation, Algorithms, Dissertation 033
Electric power generation, Performance, Computer aided control, Microprocessors 048
Electrodes, Neurophysiology, Electric variables measurement, Recording systems 053
Fault tolerance, Transfer functions, Tracking, Parameter estimation 085
Feedback, Optimization, Boundary value problems 051
Filters, Performance, Stability 0714
Filters, Switching, Design, Voltage 0714
Frequency, Construction, Random variables, Synthesizers 087
Image processing, Computer graphics, Displays, Monitoring, Integrated circuits 088

rollers, (continued)
dustrial processes, Automation, Microprocessors 06936
put output, Machining centers, Production control, Modular design 00447
put output, Tracking, Problem solving, Integration, Actuators 06934
egrated circuits, Motors, Noise, Signal processing, Recording systems 01689
ts, Fluidics, Sensors 00401
sephson junctions, Optics, Structural analysis, Memory, Technology 05799
ops, Converters, Drives, Stability, Simulation 06568
anipulators, Mechanical handling, Performance, Modeling, Dissertation 08526
anipulators, Robots, Computer aided design, Software development 08557
athematical models, Feedback, Eigenvalues, Design, Testing 00425
athematical models, Microelectronics, Circuitry, Diagnostics, Conductance 01252
atrices, Robustness, Electric power generation, Dynamics, Modeling 04955
odeling, Delay, Simulation, Specifications, Algebraic equations 05222
odems, Communication networks, Circuitry, Automation 03024
otors, Comparators, Phase locking 03269
otors, Frequency, Comparators, Stability 06537
otors, Frequency, Thermal variables control, Voltage, Modeling 00075
ultiprocessing, Interactive systems, Man machine interactions, Programming 02057
europhysiology, Communication networks, Channels, Distortion 05328
onlinearity, Circuitry, Dynamics, Spaces, Terminals 02402
ffice automation, Security, Communication networks, Microprocessors, Modems 05417
ptimization, Missiles, Simulation, Dissertation 08625
ptimization, Stability, Modeling 00393
lug compatibility, Local area networks, Terminals, Multiprocessing, Memory 02304
ower supply, Pulsewidth modulation, Analog to digital converters 02453
ower supply, Transistors, Switching 04393
ower systems, Simulation, Software development, Dissertation 06695
ower systems, Stability 05019
rogramming, Algorithms, Computation, Machine machine interactions 00398
rogramming, Distributed systems, Batch automation 06933
ecording systems, Integrated circuits, Signal to noise ratio, Filtering 02568
ecursion, Matrices, Eigenvectors, Structural analysis, Design 06935
obots, Arc welding, Hydraulic systems, Manipulators, Research and development 05186
obots, Artificial intelligence, Force, Signal processing, Approximations 00437
obots, Assembling, Machining centers, Circuitry, Sensors 00429
obots, Manipulators, Modeling, Optimization, Dissertation 03610
obustness, Distributed systems, Parameter estimation, Operators 02056
atellite communications, Data transmission, Multiple access, Synchronization 06198
atellite communications, Packet switching, Speech transmission 07791
ensors, Automation, Machining centers, Robots, Programming languages 00428
ensors, Fettling, Robots 00414
ensors, Monitoring, Research and development, Bimorphs 09147
Signal processing, Filters, Scaling, Roundoff noise 04767
Signal processing, Parameter estimation, Optimization, Multivariable systems 05221
Signal transmission, Frequency, Modulation, Feedback, Modems 07824
Solar energy, Thermal variables control, Optimal control 04998
Space technology, Actuators, Design 06961
Spacecraft, Position control, Solar arrays 02102
Stability, Design, Optimization, Simulation, Feedback 04954
Stability, Robustness 05193
Stepping motors, Automatic control, Motorola MC68701 01684
Superconductivity, Solenoids, Current, Voltage 05801
Systems design, Simulation, Deadbeat controllers 05226
Telephones, Reliability, Microprocessors, Office automation, Economics 06267
Temperature, Thyristors, Pulse generation, Stability 05537
Terminals, Communication networks, Telephones, Synchronization, Systems design 01443
Transformations, Circuitry, Current voltage, Numerical analysis 00672
Transmission lines, Power supply, Voltage, Input output, Protection 03306
Transportation, Inverters, Transistors, Power systems 03301
Tuning, Phase locked loops, Circuitry, Metal oxide semiconductors 03198
Vibration, Helicopters, Simulation 00463
Voltage, Circuitry, Automotive engineering 08799
Voltage, Design, Thyristors 08201
Voltage, Dynamics, Motors 03297
onvection,
Heat transfer, Cables, Pipes, Numerical analysis 04918
Heat transfer, Velocity, Thermal variables measurement, Anemometers 02625
Magnetic variables control, Flow, Compressible fluids, Porosity 05089
Modeling, Solar energy, Wind, Mixing, Algorithms 01819
Thermal variables measurement, Heat transfer, Sensors, Measurement 03412
Thermodynamics, Radiation, Metals, Heat transfer, Metrology 09067
Wind tunnels, Heat transfer, Interferometry, Solar collectors, Dissertation 01813
onverters,
Analog systems, Digital systems, Digital to analog converters 02316
Antennae, Diodes, Polarization, Bandwidths, Phase shifts 04844
Bipolar devices, Current, Voltage, Frequency, Circuitry 05541
Circuitry, Waveform generators 03875
Commutation, Thyristors, Bridges, Induction motors 04885
Control systems, Microcomputers, Optimization, Noise, Testing 03878
Control systems, Superconductors, Coil winding machines, Current voltage 04248
Controllers, Loops, Drives, Stability, Simulation 06568
Current, Frequency, Stability, Integrated circuits, Transistors 05540
Current voltage, Input output, Modeling, Circuitry, Dissertation 05546
Current, Voltage, Measurement, Distortion 08415
Design, Optimization, Power, Capacitors 06600
Electrostatics, Resonance, Frequency, Power systems 01759
Excimer lasers, Tuning, Raman scattering 05744
Fabrication, Image processing, Heterojunctions, Liquid crystals, CdS/CdTe 05669
Frequency, Circuitry, Capacitors, Thermal variables measurement 07220
Frequency, Coding, Circuitry, Voltage 07219
Frequency, Signal processing, Synchronization, Coding, Error 05543
Frequency, Waveforms, Generators, Signal processing, Interference 08432
Helicopters, Computer graphics, Video systems, Microprocessors, Alphanumerics 07304
ntegrated circuits, Analog to digital conversion, Performance 09290
ntegrated circuits, Technology, Design, Arrays, Automation 07634

Converters, (continued)
Liquid crystals, Physical properties, Optical communications, Voltage 07298
Magnetization, Transformers, Voltage, Inductance 07528
Metal oxide semiconductors, Integrated circuits, Design 07218
Microwaves, Coaxial cables, Striplines 03869
Mixers, Schottky diodes, BARITT diodes, Dissertation 02716
Modeling, Image processing, Optical communications, Modulation, Crystals 07311
Modeling, Output, Voltage, Prediction, Dissertation 01852
Neutrons, Calibration, Thermal variables control, Nuclear reactors 06728
Optical communications, Structural analysis, Silicon, Liquid crystals 07297
Power, Drives 08203
Power supply, Harmonics, Current voltage, Thyristors 06514
Protocols, Terminals, Printers, Switching, Communication networks 08716
Reliability, Broadcasting, Receivers, Satellite communications, Modulation 02990
Satellite communications, Broadcasting, Signal transmission, Noise 07805
Signal processing, Filters, Modulation, Simulation, Performance 02366
Signal processing, Switching, Feedback, Frequency, Dissertation 03403
Signals, Simulation 05547
Solar cells, Power supply, Control systems, Circuitry, Performance 08222
Switches, Semiconductors, Rectifiers 03870
Switching, Synthesizing, Integrated circuits, Magnetics 03872
Switching, Topology, Magnetic variables control, Logic circuits 04327
Teletex, Satellite communications, Modems, Speech transmission 07832
Televisions, Signal processing, Arrays, Scanning 02966
Temperature, Voltage, Thermistors, Resistors 08395
Thyristors, Microprocessors, Synchronization, Signal processing 01734
Transmission lines, Thyristors, Mathematical models, Book 08839
Voltage, Current density, Switches, Sensitivity 04900
Voltage, Transformers, Capacitors, Reactors, Triacs 08200
Conveyors,
Mechanical handling, Automation, Robots, Process plants 03581
Mechanical handling, Robots, Sensors, Cameras, Vision 02034
Power plants, Control systems, Microprocessors 08413
Coolants,
Oil, Transmission lines, Insulators 02475
Cooling,
Semiconductor lasers, Pumping, Thermal variables measurement 09004
Cooling systems,
Electric power transmission, Valves, Sulfur fluoride, Insulators, Thyristors 01723
Energy conversion, Thermal variables control, Thermoelectric coolers 05812
Grinding, Thermometers, Rolling 01882
Semiconductors, Radiation, Detectors, Charged particles, Space technology 06897
Solar energy, Energy storage components, Thermodynamics, Radiation 06668
Turbines, Generators, Voltage, Testing 08175
Copper,
Alloys, Dielectrics, Corrosion resistance, Thermal variables control 04361
Alloys, Polarization, Defects, Electrodes, Potentials 05142
Carbon, Composite materials, Electrodes, Semiconductors 05937
Coatings, Electrodeposition, Steel, Corrosion 03555
Contacts, Polyacetylene, Current voltage, Capacitance voltage 05147
Crack propagation, Electrodeposition, Failure, Foils, Printed circuit boards 02427
Crystallization, Rolling, Current, Annealing 05145
Electrodes, Arcs, Melting, Erosion, Surface properties 07458
Electrodes, Concentration, Temperature, Electrochemical reactions 08315
Electrodes, Plasmas, Current, Arcs, Magnetic fields 09072
Films, Thickness measurement, Eddy current, Computer aided analysis 07531
Fusion reactors, Magnets, Superconductors, Insulators 01082
Granular materials, Fracture, Ultrasonics, Acoustic waves 00259
Lasers, Flow of gases, Pulses, Frequency, Numerical analysis 08970
Lasers, Optimization, Excitation, Frequency, Pressure 07405
Metal insulator semiconductors, Schottky diodes, Fabrication, Barrier heights 04389
Microelectronics, Resists, Lithography, X-rays 02545
Nondestructive testing, Quality control, Films, Radiography, Steel, Filters 03454
Silver, Wear, Rotating bodies, Vacuum technology 00374
Wire, Polyethylene, Insulators, Telecommunications 07244
Copper chloride,
Intercalation compounds, Carbon, Electrical resistivity, Temperature 05563
Copper indium selenide,
Etching, Chemical variables control, Adsorption, Solar cells, Fermi levels 02504
Solar cells, Photovoltaics, Structural analysis, CuInSe/CdS 00793
Solar cells, Thin films, Current voltage, Dissertation 05628
Copper indium sulfide,
Etching, Chemical variables control, Adsorption, Solar cells, Fermi levels 02504
Copper sulfide,
Film growth, Sputtering, Solar cells, X-ray diffraction, Electrical resistivity 05652
Thin films, Contacts, Fabrication, Solar cells, Cu_2S-CdS 03936
Corona,
Discharges, Current, Insulators, Sulfur fluoride, Switching 00722
Switches, Lightning, Surge arresters, Transmission lines, Modeling 01040
Transmission lines, Noise, Electric fields 02643
Voltage, Transmission lines, Fault detection, Insulators, Discharges 00100
Corrosion,
Aluminum, Electrochemical reactions, Impedance, Measurement 03336
Batteries, Electrodes, Current density, Thickness measurement 00181
Biomedical engineering, Materials testing, Wear, Thermodynamics, Simulation 08642
Electrodeposition, Copper, Nickel, Coatings, Steel 03555
Electrodes, Discharges, Current density, Ionization 09078
Fretting, Aluminum, Contacts, Surface properties, Scanning electron microscopy 06878
Fretting, Contacts, Coatings, Plating 07231
Fretting, Tin, Gold, Contacts 07240
Humidity, Sensors, Stability, Circuitry, Impedance 02663
Polarization, Current, Electrodes, Simulation 00260
Pressure vessels, Nuclear reactors, Sensors, Probes, Boilers 03288
Quality control, Dry cells, Electrodes, Polarization, Potentials 06650
Semiconductors, Integrated circuits, Transistors, Failure, Gold 03824
Surface properties, Degradation, Semiconductor lasers, Light emitting diodes 05682

Corrosion, (continued)
Tungsten carbide, Phosphoric acid, Catalysts, Dissolution 04972
Corrosion prevention,
Aluminum, Connectors, Abrasion, Surface protection 07235
Lubricants, Voltameters, Protection, Electrolysis 03461
Solar collectors, Materials testing, Surface properties 03363
Titanium, Electrodes, Coatings, Chlorate cells 03341
Corrosion resistance,
Circuitry, Surface protection, Chemical variables control 09273
Dielectrics, Thermal variables control, Printed circuit boards, Thin films 04361
Metals, Materials testing, Electrodes, Heating systems 03903
Metals, Seawater, Additives, Surface protection, Coatings 03325
Packaged components, Integrated circuits, Moisture measurement, Tungsten 02785
Petrochemical industry, Thermal insulation, Electric variables control 05550
Cosmic radiation,
Turbulent flow, Wave propagation, Microwaves 03443
Cosmic rays,
Atmospheric conditions, Mass spectrometry, Accelerators, Dating techniques 00309
Infrared, Astronomy, Detectors 00576
Muons, Radiation, Detectors, Underwater technology 06900
Telecommunications, Logic circuits, Error, Integrated circuits 01260
Cost benefit analysis,
Assembling, Production control, Mechanical handling, Robots 03594
Automation, Electric power generation, Boilers, Turbines, Automatic control 01864
Business equipment, Reproduction (copying) 00834
Cables, Transmission lines, Power systems 01740
Calculators, Monitoring, Multimeters, Microprocessors 01920
Capacitors, Voltage, Switches, Energy conservation 00097
Coatings, Zirconium oxide, Robots, Thermal insulation, Turbofan engines 00427
Coil winding machines, Magnets, Linear accelerators, Superconductivity 04126
Electric power generation, Fuels, Estimation, Economics, Dissertation 01849
Electric power generation, Reliability, Customer services 00149
Fiber optics, Communications, Modes, Technological forecasting 07764
Fuel technology, Electric vehicles, Electric power distribution 02345
Gain, Performance, Antennae, Arrays 01661
Management, Electric power generation, Control systems 08356
Multiprocessing, Networks, Architecture, Buses, Image processing 06203
Navigation, Technology, Aircraft, Ships 04696
Networks, Office automation, Optical character recognition 05419
Optical systems, Design, Alignment 00872
Paper industry, Cogeneration, Energy recovery, Waste heat, Cables 01696
Performance, Microprocessors, Standards, Facsimile systems 03008
Photovoltaics, Systems design, Electric power generation 01766
Production planning, Electric power generation, Systems design, Fuel technology 00128
Productivity, Data communications, Communication networks 02310
Productivity, Office automation, Teleconferencing 03034
Radio frequency, Microwaves, Heating systems, Dielectrics 01027
Retail industry, Facsimile systems, State of the art, Zale Corp. 03033
Robots, Capital investment, Flexible manufacturing systems 08564
Semiconductor lasers, Design, Optics, Wave propagation 05758
Signal processing, Performance, Standards, Avionics 07863
Solar cells, Photovoltaics, Design, Fabrication 05648
Solar collectors, Power systems, Performance, Optimization 08336
Solar collectors, Radiation, Performance 01822
Terminals, Electronic mail, Data transmission 06202
Thin films, Energy conversion, Solar cells, Photovoltaics 02511
Wind energy, Electric power generation, Mathematical models 01863
Costs,
Aircraft, Electric power apparatus, Design, Planning 08586
Capacitors, Ceramics, Optimization, Microelectronics 05574
Drives, Induction motors, Inverters, Frequency, Control systems 08157
Electric power apparatus, Aircraft, Service life 08587
Electric power distribution, Switchgear, Voltage, Design, Reliability 08256
Electric power generation, Control systems, Reliability 04966
Electric power generation, Mexico, Nuclear power plants 01811
Electric power generation, Reliability, Psychology, Customer services 01870
Fiber optics, Manufacturing, Optimization 09364
Fiber optics, Networks, Couplers, Optimization 09375
Large scale printers, Commerce, Forecasting 03732
Modeling, Photogrammetry, Mapping, Data collection 02244
Optimization, Loading, Planning, Electric power transmission 01762
Photovoltaics, Arrays, Design 08341
Polysilicon, Solar cells, Crystal structure, Technological forecasting 05610
Reliability, Fiber optics, Cables, Underwater technology 09347
Technological forecasting, Control systems, Microprocessors, Process control 00389
Transformers, Performance, Energy conservation 09168
Voltage, Regulation, Networks, Design 08245
Counters,
Analog to digital converters, Logic circuits 08838
Arithmetic circuits, Channels, Routing, Dissertation 02799
Arithmetic circuits, Signal processing, Filtering, Time measurement 07648
Arithmetic circuits, Signals, Sequences 04755
Arithmetic circuits, Testing, Reliability 06058
Fabrication, Arithmetic circuits, Microelectronics 03829
Fabrication, Logic circuits, State of the art 09057
Fault detection, Communication networks, Testing 09297
Flip flops, Integrated circuits, Signal processing 04061
Integrated circuits, Arithmetic circuits, Fabrication, Dissertation 09259
Inverters, Logic circuits, Silicon on sapphire, Metal oxide semiconductors 04409
Logic circuits, Delay, Arithmetic circuits, Parallel processing 06031
Logic circuits, Fabrication, Josephson junctions, Simulation 09286
Shift registers, Metal oxide semiconductors, Microelectronics 07633
Signal processing, Noise, Integrated circuits, Logic, Input output 07178
Transmission lines, Dosimetry, Ions, Space charge 00753
Waveforms, Generators 05536
Wavefronts, Voltage, Electric power distribution, Transmission lines, Lightning 00098
Couplers,
Capacity planning, Networks, Fiber optics .....
Circuitry, Design, Computer aided analysis .....
Combiners, Waveguides, Electric fields, Magnetic fields .....
Connectors, Contacts, Design, Microwaves .....
Design, Millimeter waves, Integrated circuits .....
Dielectrics, Waveguides, Interferometers .....
Far infrared, Josephson junctions, Antennae .....
Fiber optics, Networks, Optimization, Costs .....
Fiber optics, Polarization, Birefringence, Fabrication .....
Fiber optics, Remote sensing, Spectrophotometry .....
Gallium arsenide, Optical devices, Fabrication .....
Gyrotrons, Impedance, Waveguides .....
Impedance, Microstrip lines, Computer aided design .....
Lithium niobate, Doping, Titanium, Waveguides, Refractive indices 0
Microstrips, Millimeter waves, Phase shifts, Oscillators, Transmission lines 0
Negative resistance, Light, Detectors, Circuitry 0
Oscillators, Resonators, Millimeter waves 0
Position control, Design, Phase shifts, Channels, Power systems 0
Superconductors, Transformers, Signal converters, Inductance 0
Thin films, Waveguides, Lithium niobate, Ion implantation, Dissertation 0
Waveguides, Image processing, Millimeter waves, Transmission 0
Waveguides, Millimeter waves, Computer aided design 0
Waves, Spectral analysis, Microstrips, Frequency, Numerical analysis 0
Coupling,
Accelerators, Transmission lines, Magnetic fields, Diodes, Dissertation 0
Antennae, Waveguides, Optimization, Computer aided analysis 0
Capacitance, Cables, Circuitry, Crosstalk, Digital systems 0
Circuitry, Design, Networks 0
Dielectrics, Waveguides, Horn antennae, Dissertation 0
Distortion, Signals, Logic circuits, Gallium arsenide 0
Dynamics, Contact resistance 0
Elasticity, Wave propagation, Reflection, Refraction 0
Electric fields, Stability, Fluidized beds, Numerical analysis 0
Electric power generation, Loading, Flow, Modeling, Dissertation 0
Electromagnetics, Aircraft, Antennae, Computer aided analysis 0
Electromagnetics, Infrared, Detectors, Lasers 0
Electromagnetics, Josephson junctions, Tunnel junctions, Films 0
Electron guns, Design, Focusing, Permanent magnets 0
Electrons, Phonons, Ferromagnetism, Structural analysis, $GaMo_4X_8$ 0
Fiber optics, Lasers, Connectors, Performance, Packaged components 0
Fiber optics, Light emitting diodes, Computer aided analysis 0
Fiber optics, Modes, Attenuation, Numerical analysis 0
Fiber optics, Modes, Classification, Polarization 0
Fiber optics, Modes, Power 0
Filters, Circuitry, Input output, Resonators, Approximations 0
Gallium aluminum arsenide, Light emitting diodes, Fiber optics, Lenses 0
Gas lasers, Modeling, Modulation, Frequency 0
Gyrotrons, Waveguides, Transmissions, Millimeter waves 0
Heterostructure lasers, Integrated optics, Current density, Diodes 0
Josephson junctions, Current, Numerical analysis 0
Lasers, Excitation, Pulse generation, Discharges 0
Lasers, Optics, Spectral analysis 0
Lasers, Optics, Wave propagation 0
Lasers, Stability, Current, Temperature 0
Lenses, Lasers, Diodes, Fiber optics 0
Magnetic fields, Striplines, Superconductivity, Josephson junctions 0
Microwaves, Resonators, Filters 0
Optical communications, Modeling, Channels, Amplitude, Signal to noise ratio 01
Optics, Waveguides, Electromagnetics, Wave propagation 0
Radiators, Waveguides, Polarization, Antennae 0
Resonators, Microwave devices, Structural analysis, Frequency, Filters 0
Ruby lasers, Emissions, Kinetics, Numerical analysis 0
Semiconductor lasers, Electrooptics, Injection, Tuning 0
Semiconductor lasers, Fiber optics, Power, Modeling 0
Semiconductor lasers, Frequency, Stability 08
Semiconductor lasers, Modes, Fiber optics, Fabry Perot interferometers 00
Surface acoustic waves, Lithium niobate, Silicon dioxide, Transducers 05
Thin films, Waveguides, Dye lasers, Amplifiers 00
Transmission lines, Cables, Impedance, Frequency 07
Transmission lines, Capacitance, Mapping 07
Transmission lines, Circuitry, Impedance 08
Transmission lines, Computer aided analysis, Voltage, Attenuation 08
Transmission lines, Solitons, Wave propagation, Kinematics 06
Wave propagation, Plasmas, Heating, Tokamaks 08
Waveguides, Dielectrics, Resonators, Theoretical analysis 07
Waveguides, Modes, Electromagnetics, Statistical analysis 01
Waveguides, Sensors, Fiber optics, Polarization 07
Crack propagation,
Acoustics, Nondestructive testing, Displacement 00
Barium titanate, Capacitors, Printed circuit boards, Integrated circuits 02
Boundary value problems, Elasticity, Integral equations, Laplace transforms 03
Conductors, Current density, Potentials, Electric fields 00
Fatigue, Acoustics 01
Fiber optics, Steel, Loading, Composite materials, Manufacturing 05
Gauges, Aircraft, Fatigue, Mathematical modeling, Dissertation 00
Geology, Plasticity, Soil science, Loading, Modeling 03
Glass, Transformers, Stress, Temperature 07
Inspection, Robots, Nondestructive testing 00
Insulators, Composite materials, Fracture 01
Integrated circuits, Printed circuit boards, Foils, Electrodeposition, Copper 02
Pressure vessels, Notch testing, Acoustic emissions 03
Rubber, Surface properties, Insulators, Failure 04
Semiconductors, Packaged components, Current density 06
Stress, Cables, Electric power transmission 08
Structural analysis, Acoustics, Thermal variables measurement 00

ack propagation, (continued)
Structural analysis, Elasticity, Statics, Electric variables measurement 05037
Ultrasonics, Signal processing, Delay, Refraction, Reflection 01972
Welding, Surface properties, Transducers, Ultrasonics, Wave propagation 08474
eep,
Mechanical strength, Image processing, Strain, Thermodynamics 03427
Nickel, Superalloys, Strain, Temperature, Dissertation 08394
op processing and storage,
Remote sensing, Infrared, Spectral analysis, Spectrophotometers 00547
Remote sensing, Microwaves, Thermal variables control 03240
oss sectional measurement,
Acoustics, Resonance, Vibration, Durometers 05099
Backscattering, Surface properties, Bragg scattering, Optics 08654
Data bases, Dosimetry, Covariance 00379
Data bases, Dosimetry, Nuclear reactors 00743
Dosimetry, Spectral analysis, Data bases 00382
Electric power generation, Voltage, Magnetohydrodynamics, Current 00162
Electromagnetic waves, Wave propagation, Diffraction, Scattering, Plasmas 06450
Four wave mixing, Dielectrics, Waveguides, Indium antimonide 09107
Neutrons, Nuclear reactors, Dosimetry, Discrete ordinate analysis 00747
Nuclear reactors, Dosimetry, Benchmarking, Spectral analysis 00378
Nuclear reactors, Dosimetry, Data bases 00741
Radar, Oceanography, Scattering 03105
Radar, Receivers, Antennae, Polarization 07872
Radar, Scattering, Electromagnetic waves, Cubes 07876
Radio frequency, Resonance, Electron beams, Cavities 00042
Resonance, Waveguides, Electrodynamics, Numerical analysis 06424
Signal processing, Plasmas, Electromagnetic waves, Digitizing 03226
Spectral analysis, Dosimetry, Nuclear reactors 00749
Thermodynamics, Sprays, Lasers, Diffraction, Distributions 05126
Wave propagation, Electromagnetic waves, Scattering 00018
Waveguides, Conductors, Dissipation, Optimization 04310
Waveguides, Rotating bodies, Electromagnetic waves, Energy bands 01060
X-rays, Scattering, Ionosphere, Polarization, Spectral analysis 08706
rosstalk,
Digital systems, Coupling, Capacitance, Cables, Circuitry 07472
Signal transmission, Telecommunications, Networks 00698
ryogenics,
Acoustic waves, Hydrodynamics, Dispersion, Dissertation 00355
Acoustics, Transducers, Detectors, Liquid helium 09139
Acoustics, Waveguides, Resonance, Frequency, Porosity 08473
Amplifiers, Infrared, Cameras, Astronomy 01907
Comparators, Winding, Calibration, Current 09090
Conductors, Superconductivity, Stability 04253
Control systems, Superconductivity, Linear accelerators, Solenoids 04212
Current density, Solenoids, Niobium compounds, Magnets 04201
Electric power generation, Alternators, Superconductivity, Rotors 04252
Electric power generation, Superconductivity, Generators, Fault tolerance 04277
Fabrication, Soil science, Electric power generation, Solenoids 04284
Flowmeters, Sensors, Calibration, Performance, Liquids 03548
Frequency, Oscillators, Noise, Thermal variables measurement 03855
Frequency, Standards, Superconductivity, Oscillators 04058
Insulators, Transmission lines, Superconductivity, Materials testing 04261
Japan, Superconductivity, Solenoids, Magnets 04264
Linear accelerators, Superconductors, Heat transfer, Fabrication 04138
Magnetic fields, Solenoids, Superconductors, Testing 04198
Magnets, Superconductivity, Refrigeration 04142
Materials planning and control, Helium, Liquefied gases, Superconductors 04217
Microscopy, Thermal variables control, Polarization, Reflectivity 00246
Motors, Superconductivity, Refrigeration, Electric power generation 04291
Motors, Superconductivity, Solenoids, Magnets 04263
Niobium titanide, Magnets, Superconductivity, Solenoids 04152
Optics, Memory, Density, Photochemistry 05710
Photons, Light emitting diodes, Refrigeration 00821
Polymers, Stiffness, Internal stress, Book 07446
Power systems, Superconductors, Magnets, Performance 07450
Probes, Nondestructive testing, Josephson junctions, Computer aided control 04239
Pulse generation, Storage rings, Superconductivity, Solenoids 04223
Quenching, Phase transitions, Liquefied gases, Helium, Superconductors 04214
Quenching, Superconductors, Solenoids, Safety 04054
Radiation, Transmission, Receivers, Materials testing 07443
Receivers, Modules, Image processing, Amplifiers, Radiometry 03439
Refrigeration, Adsorption, Pumps, Phase transitions, Cryostats 05794
Refrigeration, Compressors, Magnets, Superconductivity, Linear accelerators 04134
Refrigeration, Heat exchangers, Performance, Modeling, Research and development 07444
Semiconductor lasers, Thermal variables measurement, Stability 07385
Solenoids, Design, Superconductivity 04229
Solenoids, Transmission lines, Strain, Niobium compounds 04290
Spacecraft, Thermal variables control, Heat pipes, Finite element method 05257
Stability, Magnets, Superconductivity 04090
Stability, Superconductors, Solenoids, Niobium, Tin 04228
Superconductivity, Europe, Magnets 04166
Superconductivity, Helium, Magnets, Thermal variables measurement 04125
Superconductivity, Linear accelerators, Thermal variables measurement 04116
Superconductivity, Solenoids, Magnets, Product development 04123
Superconductivity, Stability, Magnets 04159
Superconductivity, Transmission lines, Electric power generation 04262
Superconductors, Interfaces, Thermal variables measurement, Heat transfer 04130
Superconductors, Magnets, Cables, Fabrication 04183
Superconductors, Magnets, Storage rings 04136
Superconductors, Safety, Stability, Computer aided analysis 04139
Temperature, Current voltage, Tunnel junctions, Electrical resistance 02614
Thermal variables measurement, MODFET, Transistors, Performance 09244
Thermal variables measurement, Radio frequency, Fusion reactors, Gyrotrons 04185
Tokamaks, Superconductivity, Solenoids, Helium, Systems design 04269
Transducers, Flow of gases, Measurement, Density, Velocity 08497

Cryogenics, (continued)
Transmission lines, Materials testing, Pressure, Heat transfer 00113
Transmission lines, Solenoids, Superconductivity, Magnets 04204
Transmission lines, Superconductivity, Fabrication 04260
Cryostats,
Glass, Infrared, Detectors, Thermal variables measurement 01905
Motors, Superconductivity, Electric power generation 04291
Cryptography,
Data transmission, Telecommunications, Security 03178
Electronic mail, Security 03030
Key management, Communication networks, Galois fields, Circuitry, Algorithms 01575
Knapsack problem, Security 04793
Security, Local area networks, Office automation, Electronic mail 02295
Security, Pulse code modulation, Coding, Signal transmission, Military 04763
Telecommunications, Security, Standards 03177
Crystal defects,
Irradiation, Neutrons, Superconductivity, V_3Si 01021
Radiation, Alloys, Mossbauer spectroscopy 00371
Semiconductors, Junctions, Schottky diodes 01137
Transmission electron microscopy, Iron, Neutrons, Irradiation 00372
Crystal growth,
Aluminum gallium arsenide, Field effect transistors 01204
Carrier mobility, Insulators, Metal oxide semiconductors, Dissertation 02473
Doping, Silicon, Integrated circuits, Thin films 02828
Electrodeposition, Chromium nitride, Photovoltaics, Solar collectors 02516
Electrooptics, Materials testing, Crystal structure, X-rays, Diffraction 02542
Evaporation, Gallium arsenide, Chromium, Schottky diodes 02714
Fabrication, Integrated circuits, Gallium arsenide 02719
Indium antimonide, Infrared, Detectors, Vacuum technology 01908
Infrared, Detectors, Photoconductivity 02489
Memory, Cells, Structural analysis, Fabrication 02726
Metal oxide semiconductors, Field effect transistors, Logic circuits, Lasers 02764
Pulse generation, Heating systems, Annealing, Lasers 01004
Semiconductor lasers, Epitaxy, Deposition, Gallium arsenide 00965
Semiconductors, Microelectronics, Technological forecasting 02685
Semiconductors, Technological forecasting, Thermal variables measurement 02519
Crystals,
Torsion, Piezoelectricity, Electric fields, Potentials 01032
Cuprous sulfide,
Electroplating, Cadmium sulfide, Solar cells, Capacitance voltage 05657
Ion exchange, Cadmium sulfide. Solar cells 03937
Current,
Aluminum, Bridges, Thermal variables measurement, Microwaves 04089
Ampacity, Insulators, Cables 06575
Amplifiers, Semiconductors, Defects, EBIC 06886
Amplitude, Phase shifts, Shielding, Short circuits, Buses 00147
Arc furnaces, Conductors, Circuitry, Power supply 02465
Arcs, Discharges, Electrodes, Vacuum technology 09073
Arcs, Ignition, Electrodes 01756
Bandpass filters, Impedance, Resistors, Configuration 00658
Bandwidths, Transistors, Gain 01168
Bias, Limiters, Circuit breakers, Solenoids, Superconductivity 04206
Bias, Metal oxide semiconductors, Oscillators, Irradiation 03864
Bias, Superconductivity, Tunnel junctions, Microwaves, Magnetic fields 04110
Biology, Spectral analysis, Microwaves, Radiation 05293
Bipolar devices, Converters, Voltage, Frequency, Circuitry 05541
Bipolar transistors, Gain, Doping 01170
Bipolar transistors, Modeling, Temperature, Computer aided analysis 07565
Breakdown, Acoustic testing, Amplitude, Insulators, Electric fields 00353
Breakdown, Field effect transistors, Numerical analysis, JFET 09255
Channels, Metal oxide semiconductors, Field effect transistors, Logic circuits 01195
Charge carriers, Computer aided analysis, Gallium arsenide, IMPATT diodes 04379
Charge carriers, Computer aided analysis, Piezoelectricity 02632
Charge carriers, Electric fields, Diodes, Computer aided analysis 05895
Charge carriers, Laplace force, Fibers, Conductivity 02469
Charge carriers, Superconductivity, Solenoids, Magnets 04273
Charging, Harmonics, Batteries, Electric vehicles 01781
Circuit breakers, Generators, Design, Voltage 08173
Circuit breakers, Phase shifts, Transmission lines, Resonance 01720
Collectors, Charge, Lifetimes, Bipolar transistors 07564
Comparators, Capacitance, Frequency 01932
Comparators, Winding, Calibration, Cryogenics 09090
Compensators, Voltage, Capacitance bridges, Impedance 01929
Computer aided analysis, Magnetics, Dipoles, Sommerfeld half-spece problem 08026
Conductance, Metal oxide semiconductors, Simulation 09216
Conductors, Computer aided analysis, Transmission lines 00114
Conductors, Transmission lines, Harmonics, Magnetic fields 06562
Connectors, Magnets, Superconductivity, Structural analysis 04148
Control systems, Servomechanisms, Semiconductor lasers 04009
Control systems, Signal converters, Pulse generation, Channels 00118
Copper, Crystallization, Rolling, Annealing 05145
Current meters, Remote sensing, Electromagnetics, Kinematics 08650
Data collection, Electrodes, Decay, Capacitance, Electrical double layer 00370
Detectors, Transmission lines, Power systems, Transformers 08216
Diffusion processes, Electrical resistance, Superconductors 04210
Diodes, Photodevices, Diffusion 00773
Dipole antennae, Surface properties, Electric fields 08101
Discharge, Photoemissions, Electrons, Finishing processes, Inspection 03965
Discharges, Corona, Insulators, Sulfur fluoride, Switching 00722
Discharges, Electric fields, Magnetic fields, Time measurement 06835
Discharges, Insulators, Voltage, Surface properties 00716
Drift diffusion current, Field effect transistors, Modeling 02767
Drives, Tokamaks, Transformers, Fusion, Nuclear reactors 00165
Drives, Velocity control, Simulation 06607
EBIC, Silicon, Channeling, Structural analysis, Crystal defects 06748
Eddy current, Measurement, Magnetic fields 08461

Current, (continued)
Electric fields, Electrical resistance ... 01946
Electric power generation, Numerical analysis, Buses ... 01873
Electric power transmission, Inverters, Voltage, Frequency ... 06593
Electrolysis, Capacitors, Powder metallurgy ... 03897
Electromagnetic fields, Oscillation, Electric fields, Size of plate ... 06422
Electromagnetic waves, Scattering, Perturbation, Cylinders ... 06421
Electromagnetic waves, Solar energy, Geomagnetism ... 03703
Electromagnetics, Rotors, Finite element method, Numerical analysis ... 06548
Electromagnetics, Wave propagation, Diffraction ... 08017
Electron beams, Short circuits, Pn junctions, Scanning electron microscopy ... 02520
Energy storage components, Circuit breakers, Thyristors ... 01753
Excitation, Electromagnetics, Numerical analysis, Integral equations ... 08020
Fault detection, Circuitry, Relays, Transformers ... 01874
Fault detection, Transmission lines, Computer aided analysis ... 09101
Feedback, Superconductivity, Dynamics, Thermoelectricity ... 01024
Flashover, Electrolytes, Surface properties ... 01782
Frequency, Converters, Transistors ... 05540
Frequency, Voltage, Dissipation, Motors, Control systems ... 00071
Fuses, Semiconductors, Rectifiers, Protection ... 02722
Gain, Microelectronics, Fault tolerance, Monte Carlo method, CMOS, Crosstalk ... 08905
Gain, Time measurement, Photomultipliers ... 05590
Gallium arsenide, Field effect transistors, Simulation, Electron beams ... 01221
Generators, Combustion, Electrodes, Catalysts, Electrochemistry ... 05139
Generators, Resonance, Spectral analysis, Arcs ... 08830
Grounding, Voltage, Numerical analysis, Computer aided analysis ... 08272
Gyrotrons, Gyroklystrons, Cyclotrons, Masers, Harmonics ... 00931
Gyrotrons, Microwaves, Millimeter waves, Space charge ... 08079
Harmonics, Electric power generation, Power systems, Voltage, Capacitors ... 08258
Harmonics, Measurement, Magnetic fields, Power systems, Transmission lines ... 09099
Heating, Explosions, Conductors, Thermodynamics ... 08323
Impedance, Cylindrical antennae, Dipole antennae, Integral equations ... 08126
Impedance, Radiation, Antennae, Numerical analysis, Microstrip antennae ... 06482
Impedance, Resistance, Grounding, Measurement errors ... 00096
Injection, Grounding, Electrodes, Impedance ... 08360
Injection, Josephson junctions, Logic circuits, Inductors, Switching ... 04082
Injection, Oscillators, Ports, Locking, Harmonics ... 03860
Inspection, Materials testing, Electric variables measurement ... 07227
Integral equations, Electromagnetics, Equivalence, Surface properties ... 06403
Interfaces, Logic circuits, Charge carriers, Metal oxide semiconductors ... 02752
Interrupters, Simulation, Circuit breakers ... 00110
Inverters, Design, Harmonics, Current, Inductance ... 08835
Inverters, Waveforms, Harmonics, Commutation ... 07214
Ionic conduction, Amplifiers, Circuitry, Mass spectrometry ... 05523
Ionization, Measurement, Gases, Least squares estimation ... 09077
Ionosphere, Modeling, Geomagnetism ... 07041
Lasers, Coupling, Stability, Temperature ... 08977
Lasers, Solar cells, Semiconductors, Spectroscopy, Interfaces ... 02496
Leak detection, Injection, Lasers, Stripe geometry ... 08995
Leak detection, Resonators, Electromagnetic waves, Dissertation ... 00364
Leakage current, Aluminum, Capacitors, Electrochemistry, Dielectricity ... 04359
Leakage current, Heterostructure lasers, Recombination, InGaAsP ... 07374
Leakage current, Polysilicon, Current voltage, Capacitors, Memory ... 06885
Leakage current, Schottky barriers, Rectifiers, Voltage ... 09197
Leakage current, Schottky diodes, Infrared, Thermal variables measurement ... 07552
Leakage current, Silicon, Diodes, Charge carriers, Diffusion ... 04380
Lightning, Aircraft, Simulation, Performance ... 00452
Limiters, Voltage, Cooling, Interrupters, Fuses ... 08227
Logic circuits, Diodes, Metal oxide semiconductors, Channels ... 01157
Logic circuits, Metal oxide semiconductors, Field effect transistors, Channels ... 02742
Logic circuits, Structural analysis, Circuitry ... 05989
Magnetic fields, Cathodes, Glow discharge, Electrons ... 06842
Magnetic fields, Charge carriers, Pn junctions, Magnetometers ... 01953
Magnetic fields, Inductance, Striplines, Superconductivity ... 04279
Magnetic fields, Magnetoresistance, Graphite ... 01949
Magnetohydrodynamics, Cross sectional measurement, Electric power generation ... 00162
Measurement errors, Admittance, Cylindrical antennae ... 00060
Metal insulator semiconductors, Theoretical analysis, Charge carriers ... 04376
Metal oxide semiconductors, Transistors, Circuitry ... 05980
Metering, Power systems, Standards ... 01764
Microwaves, Oscillation, Tunnel junctions, Superconductivity ... 04193
Modeling, Aircraft engineering, Surface properties, Transient response ... 03626
Modeling, Control systems, Induction motors, Feedback ... 03273
Modeling, Pnp junctions, Transistors, Epitaxial growth, Doping ... 04400
Modulation, Semiconductor lasers, Noise, Acoustic variables measurement ... 09002
Networks, Nonlinearity, Superposition principle ... 03812
Neurophysiology, Dipoles, Modeling, Generators, Simulation ... 08638
Noise, Indium, Bridges, Thickness measurement, Dissertation ... 09060
Numerical analysis, Josephson junctions, Thermal variables measurement ... 04230
Optical devices, Materials planning and control, Electrodes ... 02781
Oscillation, Capacitors, Magnetic fields, Metals ... 05576
Phase shifts, Electron gases, Magnetic fields, Lasers ... 04006
Photodevices, Diodes, Pulse generation, Velocity, Electric fields ... 02494
Photodiodes, Tunneling, Dark conduction, Mercury cadmium telluride ... 07260
Plasmas, Arcs, Electrodes, Magnetic fields ... 09072
Plasmas, Thermal insulation, Spacecraft, Solar energy, Dissertation ... 02495
Polarization, Electrodes, Corrosion, Simulation ... 00260
Polarization, Insulators, Thermal variables measurement, Circuitry ... 00287
Power plants, Transformers, Generators, Electromagnetics ... 06547
Power supply, Harmonics, Photovoltaics, Inverters ... 01837
Power systems, Control systems, Stability, Performance ... 08246
Pulse generation, Inductance, Discharges, Waveforms ... 03865
Punchthrough current, Metal oxide semiconductors, Field effect transistors ... 02760
Radiation, Electromagnetic fields ... 06785
Radio frequency, Electromagnetic waves, Plasmas, Cyclotrons, Dissertation ... 00302
Reliability, Circuitry, Failure, Stress, Metals ... 05242

Current, (continued)
Research and development, Lasers, Nuclear energy, Fusion ... 02
Saturation, Bipolar transistors, Structural analysis ... 04
Scanners, Lasers, Solar cells, Charge carriers, Energy conversion ... 03
Scattering, Modeling, Electromagnetic waves ... 03
Schottky diodes, Simulation ... 04
Semiconductor lasers, Carrier concentration, Light, Index guides ... 07
Semiconductors, Charge transfer, Doping ... 09
Silicon, Electromagnetic waves, Polaritons, Surface properties, Amplification ... 03
Silicon, Pressure, Sensors, Performance ... 08
Simulation, Loops, Conductors, Modeling, Performance ... 03
Solar cells, Short circuits, Simulation ... 07
Solenoids, Conductors, Superconductivity, Dissipation, Magnets ... 04
Solenoids, Velocity, Superconductors ... 04
Spark gaps, Voltage, Frequency, Service life ... 06
Stability, Thermal variables control, Nuclear magnetic resonance, Magnets ... 01
Structural analysis, Electromagnetic fields, Antennae, Reflectors ... 01
Sulfur hexafluoride, Pressure, Voltage, Arcs ... 08
Superconductivity, Josephson junctions, Noise, Tunnel junctions ... 04
Superconductors, Striplines, Calibration ... 04
Switches, Magnetic fields, Voltage, Performance ... 08
Switching, Gamma radiation, Polyvinylidene fluoride ... 01
Switching, Voltage, Pressure, Disconnectors ... 06
Thermal variables measurement, Energy bands, Charge carriers ... 00
Thermal variables measurement, Interferometry, Arcs, Pulse generation ... 00
Thermal variables measurement, Magnetic fields, Superconductors ... 04
Thyratrons, Helium, Excimer lasers, Voltage ... 07
Thyristors, Field effect transistors, Stability ... 04
Thyristors, Short circuits, Logic circuits ... 01
Time measurement, Conductivity, Metal insulator semiconductors ... 02
Time measurement, Logic circuits, Tunnel junctions, Josephson junctions ... 04
Transistors, Parameter estimation, Modeling ... 01
Transmission lines, Electric fields, Performance, Statistical analysis ... 08
Transmission lines, Electric power generation, Relays, Mathematical models ... 05
Transmission lines, Electrodes, Lightning, Conductors, Grounding ... 01
Transmission lines, Finite element method, Approximations, Density ... 01
Transmission lines, Insulators, Dielectrics, Fault detection ... 08
Transmission lines, Magnetics, Insulators, Electric fields, Accelerators ... 09
Tunnel junctions, Resonance, Radio frequency, Josephson junctions ... 04
Velocity, Decoders, Logic circuits, Josephson junctions ... 04
Vibration, Choppers, Numerical analysis ... 06
Vibration, Induction motors ... 08
Voltage, Capacitance, Modeling, Tunneling, Solar cells ... 07
Voltage, Coronas, Mathematical models, Statistical analysis ... 04
Voltage, Distortion, Measurement, Converters ... 08
Voltage, Induction motors, Flux, Signal processing, Inverters ... 01
Voltage, Motors, Control systems, Filters, Electrical conductivity ... 01
Voltage, Pulse generation, Semiconductors, Diodes ... 07
Voltage, Superconductivity, Solenoids, Controllers ... 05
Voltage, Transducers, Algorithms, Numerical analysis, Nonlinear equations ... 02
Voltage, Winding, Induction motors ... 06
Wave propagation, Polarization, Antennae, Integral equations ... 08
Wear, Copper, Silver, Vacuum technology, Rotating bodies ... 00
Current density,
Aluminum gallium arsenide, Quantum wells, Heterostructure lasers, Design ... 07
Aluminum, Infrared, Radiative transfer, Films, Anodes ... 01
Arcs, Electrodes, Thermionic emission ... 07
Batteries, Discharges, Polarization ... 08
Batteries, Electrodes, Corrosion, Thickness measurement ... 001
Bipolar transistors, Molecular beam epitaxy, Heterojunctions, Performance ... 075
Cadmium sulfide, Solar cells, Electroplating, Cuprous sulfide ... 056
Charge carriers, Pn junctions, Voltage, Solar cells ... 039
Composite materials, Niobium, Titanium, Superconductors, Heat treatment ... 041
Corrosion, Electrodes, Discharges, Ionization ... 090
Crack propagation, Conductors, Potentials, Electric fields ... 007
Cryogenics, Solenoids, Niobium compounds, Magnets ... 042
Current voltage, Tunnel junctions, Josephson junctions ... 042
Diodes, Electron guns, Voltage, Camera tubes ... 088
Electric fields, Integral equations, Impedance, Backscattering ... 081
Electrical discharge machining, Electrodeposition, Pulse generation, Metals ... 002
Electrodes, Anodes, Voltammetry ... 001
Electrons, Remote sensing, Atmospheric conditions, Radar ... 047
Fabrication, Diodes, Josephson junctions, Tunneling ... 010
Flux, Magnetic fields, Solenoids, Fabrication ... 041
Fuses, Design, Voltage ... 067
Heterostructure lasers, Dielectric constants, Refractive indices ... 074
Heterostructure lasers, Diodes, Coupling, Integrated optics ... 073
Heterostructure lasers, Optimization, Lead tin telluride, Temperature ... 009
Integrated circuits, Tunnel junctions, Josephson junctions, Refractories ... 041
Integrated circuits, Tunnel junctions, Josephson junctions ... 042
Josephson junctions, Fabrication, Schottky diodes ... 042
Josephson junctions, Fabrication, Temperature, Current voltage ... 041
Junctions, Charge carriers, Service life, Short circuits, Solar cells ... 024
Magnesium, Magnesium chloride, Batteries, Lifetimes ... 033
Magnetic variables measurement, Temperature, Junctions, Superconductors ... 026
Magnets, Short circuits, Energy storage components, Switches, Superconductivity ... 038
Metal insulator semiconductors, Solar cells, Voltage, Illumination ... 025
Niobium compounds, Superconductors, Tensile strength ... 042
Niobium compounds, Superconductors, Transmission lines, Diffusion ... 042
Niobium, Josephson effect, Tunnel junctions, Fabrication, Lithography ... 058
Niobium, Tunnel junctions, Microwaves, Josephson junctions, Current voltage ... 040
Numerical analysis, Electromagnetics, Stress ... 003
Oscillators, IMPATT diodes, Avalanche, Thermal variables measurement ... 072
Photodiodes, Recombination, Dark conduction, Numerical analysis ... 072
Polysilicon, Transport properties, Diffusion, Current voltage ... 059
Resonators, Electromagnetic waves ... 026

ent density, (continued)
candium oxide, Cathodes, Doping, Surface properties ... 07250
emiconductor lasers, Molecular beam epitaxy, Quantum wells, Injection ... 07388
emiconductors, Packaged components, Crack propagation ... 06081
ensors, Transmission lines, Measurement errors, Electric fields ... 07476
licon, Solar cells, Fabrication, Ion implantation ... 03943
licon, Solar cells, Heat treatment, Stability, $Pd/Nb_2O_5/a\text{-}Si:H$ ... 00784
olar cells, Schottky barriers, Charge carriers, Photoconductivity ... 03931
olar cells, Voltage, Mathematical models ... 07285
olenoids, Magnetic fields, Linear accelerators, Cost benefit analysis ... 04179
olenoids, Niobium, Titanium, Scattering ... 04199
olenoids, Superconductivity, Magnets ... 04226
pace technology, Solenoids, Superconductivity, Energy storage components ... 04281
uperconductivity, Conductors, Solenoids, Magnets ... 04158
uperconductivity, Electric power generation, Temperature, Magnetics ... 00228
uperconductivity, Josephson junctions, Schottky diodes, Quality control ... 04218
uperconductivity, Magnets, Magnetohydrodynamics ... 04127
uperconductivity, Switching, Alpha radiation, Josephson junctions ... 04208
ystems design, Logic circuits, Josephson junctions, Superconductivity ... 04079
hermal variables measurement, Transmission lines, Superconductors ... 04283
ransistors, Voltage, Control systems, Metal oxide semiconductors ... 09211
ransmission lines, Shielding, Iron, Magnets, Connectors ... 04187
unnel junctions, Magnetrons, Schottky diodes, Photolithography ... 04221
unnel junctions, Schottky diodes, Superconductivity, Josephson junctions ... 04168
unnel junctions, Superconductivity, Josephson junctions ... 04161
ltraviolet, Lasers, Focusing, Electron beams, Lithography ... 05742
oltage, Electrochemical reactions, Energy conversion, Cells ... 08301
oltage, Switches, Sensitivity, Power supply ... 04900
Vire processing, Superconductivity, Solenoids, Composite materials ... 04196
rrent voltage,
ccelerators, Space technology, Propulsion, Plasmas ... 08615
lloys, Electric fields, Modeling, Structural analysis, Scattering ... 01945
luminum, Capacitors, Electrochemistry, Dielectricity, Leakage current ... 04359
luminum gallium arsenide, Metal insulator semiconductors, Capacitors ... 08855
mplifiers, Field effect transistors, Noise, Feedback ... 05952
mplifiers, Metal oxide semiconductors, Thermal variables control, Modeling ... 02430
nalog to digital conversion, Signal processing ... 06314
rc furnaces, Electric variables control, Stability, Simulation ... 05808
ipolar transistors, Emitters, Doping, Diffusion, Electrical conductivity ... 07568
ipolar transistors, Series resistance ... 07560
ridges, Microwaves, Irradiation, Thermal variables measurement, Fabrication ... 04238
uses, Mathematical models, Classification ... 01872
apacitance, Junctions, Loops, Modeling ... 05903
apacitors, Electric power generation, Oscillation, Resonance, Dissertation ... 01707
hannels, Amplitude, Frequency, Pulses, Detection ... 05167
Chemical vapor deposition, Silicon, Heterojunctions, Si/SnO_2 ... 00216
Circuit breakers, Superconductivity, Inductors, Circuitry ... 04289
Circuitry, Bifurcation, Diodes, Junctions, Modeling ... 08772
Circuitry, Modeling, Generators, Induction machines ... 01681
Circuitry, Simulation, Functions, Waves, Loading ... 08186
Circuitry, Transients, Nondestructive testing, Willoughby method ... 02414
CMOS, Circuitry, Modeling ... 09212
Coil winding machines, Superconductors, Converters, Control systems ... 04248
Commutation, Thyristors, Circuitry ... 06595
Conductance, Instrumentation, Bipolar devices, Computer aided control ... 03551
Contacts, Semiconductors, Schottky diodes, Charge carriers ... 01130
Control systems, Amplifiers, Frequency ... 07186
Control systems, Connectors, Loading, Power systems ... 01761
Control systems, Optimization, Commutation, Pulse generation ... 06560
Converters, Input output, Modeling, Circuitry, Dissertation ... 05546
Current density, Tunnel junctions, Josephson junctions ... 04243
Diodes, Liquid phase epitaxy, Optical properties, Dielectric constants ... 03926
Diodes, Metals, Semiconductors, Contacts, Barrier heights ... 07542
Diodes, Microwaves, Electrical resistivity, Pulse generation ... 03245
Displays, Image processing, Electric variables measurement, Design ... 08897
Doping, Avalanche photodiodes, Tunneling, Gain ... 02493
Doping, Lead, Josephson junctions, Tunnel junctions ... 04215
Electric power apparatus, Calibration, Error ... 08220
Electrical power transmission, Impedance, Modeling, Dissertation ... 01930
Electrical resistance, Field effect transistors, Metal oxide semiconductors ... 01927
Electrodes, Batteries, Energy storage components, Scanning electron microscopy ... 03328
Electrodes, Magnetohydrodynamics, Insulators, Deformation, Arcs ... 01788
Electrodes, Plasmas, Electromagnetic waves, Probes ... 00033
Electromagnetic waves, Impedance, Grounding, Induction ... 04823
Electromagnetics, Induction motors, Finite element method, Rotors, Saturation ... 06517
Electrooptics, Switching, Striplines, Superconductivity ... 04096
Energy conversion, Electric power generation, Cryogenics, Superconductivity ... 04262
Erbium fluoride, Thin films, Capacitors, Temperature, Film growth ... 08854
Fabrication, Tellurium, Cadmium sulfide, Thin films, Diodes ... 05912
Fault detection, Excitation, Rectifiers, Synchronous machines ... 03261
Field effect transistors, Channels, Gallium arsenide, Indium phosphide ... 01207
Field effect transistors, Drain, Modeling, IGFET ... 04418
Field effect transistors, Simulation, Monte Carlo method, MESFET ... 02758
Filters, Amplifiers, Bipolar devices, Integrated circuits, Control systems ... 08755
Filters, Optimization, Design, Structural analysis, Numerical analysis ... 03808
Filters, Transconductors, Capacitors ... 05441
Frequency, Filters, Armatures, Motors, Performance ... 08167
Frequency, Inverters, Induction motors, Control systems ... 06513
Gallium arsenide, Diodes, Doping, Manganese, Iron ... 08422
Gallium arsenide, Diodes, Electrons, Irradiation, Temperature ... 01141
Gallium arsenide, MESFET, Scattering, Integrated circuits ... 09227
Gallium arsenide, Metal insulator semiconductors, Solar cells ... 07286
Gallium arsenide, Switching, Noise, Dissertation ... 04438
Generators, Ceramics, Blades, Machinery, Electric power generation ... 04888
Graph theory, Ports, Networks ... 00295
Grounding, Conductance, Electric power apparatus, Networks ... 00663

Current voltage, (continued)
Harmonics, Pulse generation, Bandwidths, Modulation ... 04936
Harmonics, Thyristors, Motors, Power supply ... 06514
Harmonics, Transmission lines ... 07474
Indium antimonide, Pn junctions, Beryllium, Ion implantation, Logic circuits ... 08414
Inductance, Semiconductors, Capacitors, Integrated circuits ... 02703
Integrated circuits, Interferometers, Josephson junctions, Superconductivity ... 04073
Integrated circuits, Metal oxide semiconductors, Design, Performance, Noise ... 07636
Integrated circuits, Transfer functions, Synthesis, Dissertation ... 04450
Inverters, Induction motors, Drives, Power supply, Modulation ... 08151
Inverters, Induction motors, Electric fields ... 06538
Josephson junctions, Fabrication, Temperature, Current density ... 04175
Josephson junctions, Logic circuits, Injection, Signal converters ... 04078
Josephson junctions, Radio frequency, Integrated circuits ... 04101
Josephson junctions, Tunnel junctions, Fabrication, Microelectronics ... 07447
Josephson junctions, Tunnel junctions, Magnetic fields ... 04244
Josephson junctions, Tunneling, Cadmium sulfide, Lead, Illumination ... 04167
Mathematical models, Stability, Circuitry, Interrupter, Simulation ... 00237
Metal oxide semiconductors, Capacitors, Insulators ... 00733
Metal oxide semiconductors, Circuitry, Approximations, Simulation, Scaling ... 06003
Metal oxide semiconductors, Field effect transistors, Channels, Drain ... 04444
Metal oxide semiconductors, Field effect transistors, Modeling, Electrons ... 04416
Metal oxide semiconductors, Field effect transistors, Thermodynamics, Testing ... 09207
Metal oxide semiconductors, Transistors, Channels, Doping ... 02740
Metal oxide semiconductors, Transistors, Temperature, Electrical resistance ... 04440
Metal oxide semiconductors, Zinc selenide, Single crystals, Hysteresis ... 04433
Metals, Contacts, Polyacetylene, Photovoltaics ... 05147
Microelectronics, Metal oxide semiconductors, Field effect transistors ... 05944
Microprocessors, Josephson junctions, Modeling, Circuitry, Transmission lines ... 04294
Microprocessors, Waveforms, Measurement, Frequency, Error ... 03463
Microwaves, Integrated circuits, Oscillators, Josephson junctions ... 04236
MISFET, Transistors, Indium gallium arsenide ... 05073
Modeling, Plasmas, Erosion, Switches, Impedance ... 06629
Modeling, Thin films, Semiconductors, Solar cells, Numerical analysis ... 07276
Modeling, Transmission lines, Circuitry, Impedance, Simulation ... 03308
MODFET, Transistors, Fabrication, Ion implantation, Transconductance ... 05968
MODFET, Transistors, Performance, Cryogenics, Thermal variables measurement ... 09244
Molecular beam epitaxy, Heterostructures, Bipolar transistors, Fabrication ... 07573
Monte Carlo method, Simulation, Electric variables control ... 06566
MOSFET, Field effect transistors, Conductance ... 05951
MOSFET, Integrated circuits, Temperature, Dissertation ... 05965
MOSFET, Power transistors ... 07594
Motors, Protection, Cables, Capacitors, Impedance ... 08143
Niobium, Bridges, Structural analysis, Thermal variables measurement ... 04114
Niobium, Tunnel junctions, Current density, Microwaves, Josephson junctions ... 04098
Noise, Superconductivity, Transformers, Flux, Tunnel junctions ... 04271
Oscillation, Mathematical models, Josephson junctions, Magnetic fields ... 04233
Oxidation, Electrolytes, Energy storage components, Kinematics, Fuel cells ... 01796
Photoelectric effect, Indium phosphide, Diodes, Au/n-InP:Fe ... 07546
Pin diodes, Injection, Charge carriers, Lifetimes, Recombination ... 07541
Pn junctions, Heterojunctions, Carrier concentration, Space charge ... 07570
Pn junctions, Metal oxide semiconductors, Space charge, Recombination ... 09236
Point contact junctions, Injection, Insulators, Ohm law ... 08848
Polysilicon, Gates, Leakage current, Capacitors, Memory ... 06885
Polysilicon, Grain boundaries, Doping, Temperature, Electrical resistivity ... 05902
Polysilicon, Open circuit voltage, Solar cells, Photoconductivity ... 05144
Polysilicon, Transport properties, Diffusion, Current density ... 05901
Power plants, Control systems, Turbines, Generators, Simulation ... 05017
Power supply, Inverters, Switches, Capacitors ... 06622
Power systems, Pulse generation, Environmental protection, Modulation ... 06559
Radio frequency, Capacitance, Superconductivity, Sensitivity ... 04122
Resistors, Charge carriers, Structural analysis, Computer aided analysis ... 00725
Schottky barriers, Charge carriers, Density ... 01140
Schottky diodes, Annealing, Mo/GaAsP ... 01143
Schottky diodes, Barrier heights ... 05915
Schottky diodes, Barrier heights, Platinum, Silicon ... 05916
Schottky diodes, Dielectrics, Coatings, Temperature, Barrier heights ... 09173
Schottky diodes, Germanium, Silicon, Junctions ... 02712
Schottky diodes, Injection, Charge carriers, Thermionic emissions ... 07557
Schottky diodes, Leakage current, Modeling ... 07551
Signal converters, Magnets, Power supply, Superconductivity ... 04287
Signal transmission, Image processing, Diodes, Mixers, Frequency ... 03257
Silicon, IMPATT diodes, Breakdown ... 09190
Silicon, Solar cells, Contacts, Metallization ... 05618
Silicon, Solar cells, Fabrication, Sputtering, Photoconductivity ... 05631
Silicon, Solar cells, Junctions, Injection ... 05643
Silicon, Solar cells, Phosphorus, Ion implantation, Annealing ... 05629
Silver selenide, Diodes, Barrier heights, Film growth, Evaporation ... 04386
Simulation, Transmission lines, Fault detection ... 07469
Solar cells, Annealing, Silicides, Metallization ... 00794
Solar cells, Charge carriers, Tunnel junctions, Simulation ... 00796
Solar cells, Open circuit voltage, Temperature, Heterojunctions, Modeling ... 05645
Solar cells, Quality control, Modeling, Least squares estimation ... 05614
Solar collectors, Energy conversion, Storage, Electric power generation ... 03371
Space charge, Switches, Triodes, Simulation ... 01163
Spectral analysis, Solar cells, Powder metallurgy, Cadmium selenide ... 00803
Spectrometers, Stability, Electromagnetic fields ... 03480
Stainless steel, Ionosphere, Plasmas, Space technology, Scaling laws ... 08284
Structural analysis, Resistivity, Bipolar transistors ... 02728
Superconductivity, Circuit breakers, Switches, Electric power transmission ... 04285
Superconductivity, Solenoids, Rotating bodies, Minicomputers ... 04280
Superconductors, Composite materials, Electric fields, Magnetic fields ... 04274
Superconductors, Defects, Aluminum, Alloys, Silver ... 09059
Superconductors, Frequency, Noise, Dissertation ... 01018
Superconductors, Junctions, Mixers, Frequency, Noise ... 04169
Superconductors, Linear accelerators, Electron beams, Energy conversion ... 04137

Current voltage, (continued)
- Surface properties, Charge carriers, Metal oxide semiconductors 01122
- Surface properties, Potentials, Green's function, Pattern recognition 07223
- Switching, Capacitance, Circuit breakers 01742-
- Synchronous motors, Capacitance, Resonance, Stress, Dissertation 04895
- Televisions, Circuitry, Receivers, Transformers, Power consumption 09395
- Temperature, Photovoltaics, Silicon 03941
- Testing, Fault detection, Transmission lines 02642
- Thermal variables measurement, Heat transfer, Sensors, Measurement, Convection 03412
- Thermistors, Pressure, Thermal variables measurement 07572
- Thin films, Solar cells, Copper indium selenide, Dissertation 05628
- Thyristors, Failure, Thermal variables measurement, Diffusion 06769
- Transformations, Circuitry, Controllers, Numerical analysis 00672
- Transformers, Relays, Protection, Computer aided control 04351
- Transistors, Simulation, VMOS 05930
- Transistors, Transformers, Circuitry 03458
- Transmission lines, Integral equations, Mathematical models 09089
- Transmission lines, Simulation, Computer aided instruction, Microcomputers 04302
- Tunnel junctions, Mixers, Noise, Temperature, Receivers 07576
- Tunnel junctions, Temperature, Cryogenics, Electrical resistance 02614
- Turbogenerators, Leakage, Saturation, Circuitry, Computer aided analysis 04890
- Vacuum technology, Transformers, Fabrication, Injectors, Lead-ins 05166
- Waveforms, Capacitors, Rectifiers, Power systems 04938
- Waveforms, Pulse generation, Semiconductors, Detectors 02721
- Wavelengths, Diffusion, Nondestructive testing, Solar cells 02501
- Yttrium iron garnet, Doping, Lasers, Irradiation, Thermistor-bolometers 05809

Customer services,
- Broadcasting, Signal processing, Technology, Systems design, Modeling 01313
- Communication networks, Protocols, Arrays, Control systems 02991
- Communication networks, Resource management 05422
- Electric power distribution, Loading, Power supply, Reliability, Economics 05014
- Electric power distribution, Utilities, Reliability, Economics 05006
- Electric power generation, Reliability, Cost benefit analysis 00149
- Psychology, Costs, Electric power generation, Reliability 01870
- Satellite communications, Televisions, Earth stations 01388
- Speech synthesis, Telephones, Research and development, Hungary 01452
- Telecommunications, Communication networks, Modems, Access, Economics 02306
- Telecommunications, Technological forecasting, Policy analysis, Decision making 02875
- Telephones, Speech transmission, Quality control, Standards, Hungary 01453
- Utilities, Telecommunications, Economics, Modeling, Dissertation 06250

Cutting,
- Aircraft engineering, Composite materials, Lasers, Computer graphics, Nesting 04046
- Electrochemical machining, Refractories, Metals, Sawing 01805
- Robots, Mechanical handling, Aircraft engineering, Composite materials 05183
- Robots, Mechanical handling, Occupational health, Welding 02045

Cutting tools,
- Flexible manufacturing systems, Lasers, Automatic control 04047
- Machining centers, Computer numerical control, Gauges 02053
- Machining centers, Flexible manufacturing systems, Lasers, Welding 02597
- Microprocessors, Automatic control, Electric power apparatus, Wire processing 00709
- Robots, Milling, Numerical control, Repair 02036
- Sheet metalworking, Flexible manufacturing systems, Technological forecasting 02603

Cybernetics,
- Biology, Information systems, Diagnostics, Parameter estimation 05309
- Neurology, Muscles, Control systems, Optimization, Modeling 05316

Cyclotrons,
- Amplifiers, Electron beams, Dielectrics, Waveguides 07199
- Cyclotron resonance, Masers, Electromagnetics, Radiation 06413
- Masers, Frequency, Simulation 07342
- Masers, Harmonics, Current, Dynamics, Numerical analysis 00931
- Mass spectrometers, Superconductivity, Magnets, Ions 04146
- Oscillation, Lasers, Electron beams, Pulse generation 01066
- Plasmas, Electromagnetic waves, Radio frequency, Current, Dissertation 00302
- Polarization, Interferometers, Tokamaks, Mirrors 06506
- Resonance, Energy bands, Lasers 01670
- Resonance, Ions, Spectrometers, Dissertation 00311
- Resonance, Masers, Magnetic fields, Wave propagation 07368
- Resonance, Radio frequency, Electromagnetic waves, Magnetic fields 00271

Cylindrical antennae,
- Admittance, Measurement errors, Current 00060
- Arrays, Gain, Frequency 01656
- Dipole antennae, Integral equations, Current, Impedance 08126
- Electric fields, Integral equations, Impedance, Current density, Backscattering 08105
- Electromagnetics, Numerical analysis 08127
- Electromagnetics, Wave propagation, Frequency, Backscattering, Diffraction 08095
- Electromagnetics, Wave propagation, Reflection, Water 08110
- Frequency, Bandwidths, Impedance, Radios, Dissertation 03253
- Numerical analysis, Transient response 04840
- Weighting, Filters, Parameter estimation 04839

Cytology,
- Acoustic emissions, Wave propagation, Biomedical engineering 00346
- Acoustics, Ultrasonics, Toxicity, Rats 02141
- Biology, Microwaves, Radiation, Thermodynamics 03682
- Electric fields, Modeling, Simulation 07016
- Genetics, Flow rates, Light scattering, Computer applications, Fluorescence 02160
- Mathematical models, Neurology, Electric variables measurement, Impedance 05334
- Rats, Histology, Tissues, Ultrasonics 07002
- Therapeutic systems, Lasers, Photochemistry, Radiation 00507

Damage,
- Depth measurement, Thermal variables measurement, Gas lasers, Carbon dioxide 01000
- Radiation, Integrated circuits, Silicon 01155
- Radiation, Silicon, Semiconductors 01149
- Structural analysis, Annealing, Dosimetry, Metal oxide semiconductors 01154

Damping,
- Acoustics, Pipelines, Pulse generation, Resonance, Pressure measurement 01
- Automation, Frequency, Measurement, Microcomputers, Oscillation 01
- Balancing, Calibration, Transmission lines, Electric power generation, Voltage 01
- Balancing, Force, Coil winding machines 01
- Circuitry, Compensators, Transfer functions 00
- Control systems, Torque measurement, Inverters, Synchronous motors 04
- Eddy current, Magnetic fields, Numerical analysis 05
- Frequency, Power systems, Stability 01
- Helicopters, Rotors, Loading, Computer aided control, Feedback 03
- Hydroelectric power generation, Simulation, Loading, Flow, Turbines 04
- Induction machines, Flux, Magnetic fields, Modeling, Signal processing 03
- Logic circuits, Decoders, Memory, Josephson junctions, Fabrication 04
- Oscillation, Power systems, Control systems, Thyristors, VAr compensators 08
- Oscillation, Superconductivity, Electric power transmission 04
- Oscillators, Noise 05
- Power systems, Networks, Modulation, Simulation 06
- Power systems, Stability, Synchronous machines, Control systems 00
- Resonance, Stepper motors, Excitation 081
- Shielding, Insulators, Transformers, Noise abatement 01
- Signal processing, Transmission, VAR compensators 08
- Simulation, Electric power transmission, Fault tolerance 065
- Transformers, Vibration, Harmonics, Balancing 01
- Viscosity, Plates, Impact testing, Acoustic emissions, Composite materials 03

Data base management systems,
- Access, Communications, Software development, Mainframes, Personal computers 006
- Communication networks, Data processing, Protocols, Microprocessors 062
- Distributed processing, Parallel processing, Buses, Image processing 062
- Image processing, Pattern recognition, Data structure 057

Data bases,
- Access, Communication networks, Economics, Online systems 029
- Automatic testing, Modeling, Transistors, Metal oxide semiconductors 059
- Coding, Boundary value problems, Image processing, Reconstruction 063
- Communications, Sociology, Computer aided analysis, Research and development 046
- Computer aided control, Networks, Telecommunications, Office automation 062
- Covariance, Multiprocessing, Nuclear reactors 003
- Cross sectional measurement, Dosimetry, Spectral analysis 007
- Cross sectional measurement, Dosimetry, Spectral analysis 007
- Cross sectional measurement, Nuclear reactors, Dosimetry 007
- Distributed systems, Broadcasting, Data transmission 063
- Electric power distribution, Automation, Computer aided control, Standards 001
- Fiber optics, Data transmission, Buses, Multiplexing, Channels 013
- Geology, Cartography, Mapping, Raster displays, Data collection 021
- Image processing, Plotting, Photography, Minicomputers, Terrain analysis 005
- Image processing, Software development, Information systems, Storage 057
- Information retrieval, Semiconductors, Resource management 058
- Interference, Signal processing, Televisions, Modeling, Channels 013
- Local area networks, Channels, Organization and methods 029
- Local area networks, Data transmission, Mainframes, Desktop systems, Economics 031
- Mapping, Geology, Image processing, Simulation, Displays 005
- Mapping, Remote sensing, Random variables, Modeling 022
- Metal oxide semiconductors, Transistors, Modeling, Circuitry, Inverters 011
- Metallurgy, Nuclear power plants, Dosimetry 007
- Military engineering, Mapping, Computer graphics, Displays, Terrain analysis 022
- Military engineering, Weapons, Tracking, Cartography, Terrain analysis 022
- Mining, Coal, Resource management, Mapping, Computer aided analysis 022
- Networks, Operating systems, Data communications 030
- Oceanography, Bottom loss, Acoustic variables measurement, Software development 037
- Office automation, Telecommunications, Electronic mail, Software development 062
- Personal computers, Machine machine interactions, Mainframes 0375
- Petrochemical industry, Sensors, Image processing 005
- Recording systems, Optical storage, Bubble memory 015
- Remote sensing, Resource management, Satellite communications, Geography 0221
- Software packages, Electric power transmission, Performance 049
- Spectral analysis, Experimental design, Standard deviation 003
- Speech transmission, Data transmission, Integrated systems, Resource management 078
- Systems design, Office automation, Dissertation 006
- Telecommunications, Information systems, Research and development 0141
- Topography, Data collection, Computer graphics, Scanning, Standards 0221
- Transportation, Routing, Networks, Planning, United Kingdom 006
- Urban planning, Environmental protection, Mapping, Information systems 021
- Videotex, Office automation, Data transmission, Terminals, Technology 029

Data collection,
- Atmospheric conditions, Oceanography, Meteorology 0057
- Biomedical engineering, Signal processing, Coding, Minicomputers 0530
- Calibration, Thermal variables measurement, Automatic testing 0024
- Cartography, Automation, Image processing, Modules 0223
- Cartography, Space technology, Mapping, Planning 0222
- Circuitry, Transistors, Voltage, Channels 0871
- Clinical medicine, Forms management, Design, Printers, Lasers 0212
- Coastal engineering, Radio communications, Telemetry, Meteor-burst telemetry 0941
- Communication networks, Resource management, Terminals, Logic 0624
- Control systems, Artificial intelligence, Spectrometers 0507
- Cybernetics, Biology, Information systems, Diagnostics, Parameter estimation 0530
- Electric power distribution, Computer aided control, Information processing 0338
- Electric power generation, Control systems, Education 0834
- Electric power generation, Performance, Information retrieval 0014
- Electric variables measurement, Microprocessors, Kemitron K2000E 0514
- Electrodes, Current, Decay, Capacitance, Electrical double layer 0037
- Electrostatics, Pollution control, Electronic equipment 0246
- Fiber optics, Probes, Microcomputers, Flow of liquids, Nuclear reactors 0354
- Frequency, Electric power distribution, Transmission lines 0187
- Geography, Topography, Mapping, Computer graphics, Photogrammetry 0220
- Geology, Cartography, Mapping, Data bases, Raster displays 0219
- Geology, Remote sensing, Imaging, Spectral analysis, Dissertation 0534
- Image processing, Mapping, Aerial photography, Factor analysis 0223

a collection, (continued)
mage processing, Satellite communications, Remote sensing, Meteorology 07026
nstrumentation, Sensors, Meteorology, Software packages, Microcomputers 05372
ntegrated circuits, Metal oxide semiconductors, Functions, Approximations 04415
apan, Meteorology, Satellite communications, Manufacturing 05377
Magnetic bubbles, Memory, Systems design, Portability 00511
Mapping, Plotting, Computer aided analysis, Cartography, Resource management 02250
Mapping, Remote sensing, Satellite communications 02206
Mapping, Simulation, Signal processing, Forestry, Spectral analysis 08648
Marine engineering, Acoustics, Microprocessors, Buoy systems, Performance 06305
Markov processes, Algorithms, Probability, Spread spectrum communications 04771
Meteorology, Aircraft, Computer aided analysis, Monitoring 00574
Meteorology, Microprocessors, Reliability 05373
Meteorology, Natural disasters, Remote sensing, Image processing, METEOSAT 08690
Meteorology, Radar, Computer graphics, MDR 09506
Meteorology, Radiometry, Wind, Velocity 02277
Microcomputers, Spectrofluorimeters, Computer aided control, Wavelengths 01938
Nuclear physics, Spectral analysis, Microcomputers, Multiprocessing 00061
Oceanography, Seismology, Signal processing, Data compression 02274
Online systems, Clinical medicine, Radiology, Tektronix 4054 05294
Online systems, Electrolysis, Noise, Error, Regression analysis 05135
Optical character recognition, Pattern recognition, Image processing 00892
Optics, Calibration, Scanners, Statistical analysis, Oceanography 05369
Photogrammetry, Mapping, Costs, Modeling 02244
Portability, Spectrometers, Microprocessors, Computer graphics 05064
Ports, Dielectric permittivity, Measurement errors 01099
Power systems, Computer aided analysis, Recording systems, Fault detection 00104
Probes, Routines, Integrated systems, Control systems, Software development 05693
Quality control, Remote sensing, Imaging, Landsat-4 05360
Radar, Remote sensing, Instrumentation, Distribution, Standards 06284
Radiation, Dosimetry, Monitoring, Instrumentation 05586
Radiometers, Measurement, Computer aided analysis, Mobile systems, Portability 05363
Recording systems, Displays, Reliability, Shift registers 00598
Remote sensing, Geology, Minerals and ores, Iron, Mining 02223
Remote sensing, Oceanography, Numerical analysis, Chlorophylls, Water color 00568
Remote sensing, Satellites, Environmental monitoring 01407
Research and development, Circuit breakers, Automation, Materials testing 00105
Resource management, Economics, Satellite communications, Modeling 03692
Robots, Inspection, Safety, Personnel, Remote sensing 05188
Satellite communications, Meteorology, Numerical analysis, Agriculture 02242
Satellite communications, Meteorology, Remote sensing, Data transmission 03727
Satellite communications, Resource management, Image processing 02196
Satellites, Remote sensing, Technological forecasting, Meteorology 00564
Signal processing, Noise, Performance, Estimation 06319
Spacecraft, Classification, Tracking, Simulation 05364
Storage, Analog to digital converters, Pulses, Controllers, Spectral analysis 05149
Systems analysis, Satellites, Altimetry, Oceanography 03705
Systems design, Engines, Performance, Fuel efficiency, Computer aided analysis 05429
Telecommunications, Satellites, Meteorology, Economics 07059
Telemetry, Biology, Wildlife, Ecology 05425
Telemetry, Electric power distribution, Microcomputers, Microwaves 04599
Telemetry, Signal to noise ratio, Computer graphics, Pulsewidth modulation 06184
Topography, Computer graphics, Scanning, Data bases, Standards 02218
ta communications,
Access, Communication networks, Switching 04615
Circuitry, Optics, Waveguides 05823
Communication networks, Government policies, Developing nations 07810
Communication networks, Local area networks, Ethernet 03737
Communication networks, Machine machine interactions, Access, Security 02291
Communication networks, Productivity, Cost benefit analysis 02310
Communication networks, Satellite communications, Protocols, Delay 01410
Communication networks, Technological forecasting, Product development 09446
Compatibility, Interfaces, Protocols, FRG 06214
Electronic mail, Modems, Technology, Research and development 03017
Fabrication, Fiber optics, Oxidation, Glass 04569
Fiber optics, Local area networks, Noise, Safety, Economics 04553
Fiber optics, Structural analysis, Design, Wave propagation 04556
Local area networks, Architecture, Control systems, Modeling, Standards 00139
Local area networks, Banking, Backup systems, Scotland 01427
Local area networks, Economics 01469
Local area networks, Information processing, Workstations, Word processing 03013
Local area networks, Personal computers, Distributed processing, Workstations 07836
Local area networks, Personal computers, Integrated circuits, Reliability 06246
Local area networks, Privacy, Security, Economics, Research and development 03021
Local area networks, Technology, State of the art 05416
Local area networks, Topology, Architecture, Protocols, Flow 08726
Machinery, Storage, Protocols, State exploration 07815
Microwaves, Ultrahigh frequency, Integrated circuits, Signal converters 01645
Military engineering, Radio communications, Signal transmission, Aircraft 05285
Millimeter waves, Field effect transistors, Receivers 01898
Mobile systems, Systems design, Interfaces, Field instrumentation 06186
Monitoring, Communication networks, Infotron ANM-800 06218
Networks, Demodulation, Synchronization, Systems design 01417
Networks, Desktop systems, Microprocessors, Value added networks 07830
Networks, Office automation 07831
Networks, Packet switching, Systems design, Aerospace engineering 06201
Networks, Transmission, Reliability 04626
Operating systems, Networks, Data bases 03006
Orthogonality, Frequency, Multiplexing, Telephones, Dissertation 06249
Packet switching, Networks, Trees, Routing 07838
Parallel processing, Networks, Machine machine interactions, Control systems 05385
Petrochemical industry, Software packages, Modeling, OGRE® 07834
Reflectors, Antennae, Satellites, Composite materials 01667
Sequences, Access, Channels 07939
Signal transmission, Speech recognition, Simulation 06237
Signal transmission, Speech recognition, Simulation 07944

Data communications, (continued)
Speech synthesis, Integrated systems, Simulation, Quality control 07812
Spread spectrum communications, Gain, Modulation 03187
Systems design, Communication networks, Switching 06216
Systems design, Radar, Air traffic control 03011
Telecommunications, Financial services, Electronic funds transfer, Security 09445
Telecommunications, Office automation, Networks, Fiber optics 01340
Telecommunications, Sociology, Economics 01437
Telemetry, Military engineering, Satellites 04583
Telephones, Radio communications, Mobile systems 04527
Terminals, Artificial intelligence, Software development 06217
Testing, Microprocessors, Error, Liquid crystal displays 01429
Traffic, Random variables, Interference, Numerical analysis 07841
Ultrahigh frequency, Systems design, Microwaves 01646
United Kingdom, Telemetry, VANS 06192
Videotex, Communication networks, Protocols, Image processing 01316
Data compression,
Aircraft, Data transmission, Routing, Channels, Multiplexing 04657
Biomedical engineering, Algorithms, Approximations, Error, Electrocardiograms 05310
Coding, Waveforms, Quantization, Design, Dissertation 07951
Estimation, Time measurement, Sensors, Delay, Signal to noise ratio 06320
Image processing, Pulse code modulation, Interpolation, Simulation 05699
Image processing, Storage, Televisions, Remote sensing, Dissertation 06372
Oceanography, Seismology, Data collection, Signal processing 02274
Signal processing, Coding, Speech transmission, Filters 03176
Signal processing, Spectral analysis, Modeling, Prediction 03132
Speech recognition, Image processing, Sequences, Dissertation 03083
Speech synthesis, Signal processing, Communication networks, Bandwidths 01569
Speech synthesis, Signal processing, Pulse code modulation, Sequences 01483
Statistical analysis, Probability, Distributions, Markov processes, Modeling 03126
Video systems, Teleconferencing, Image processing, Displays, Transmission lines 06159
Vision, Teleconferencing, Signal transmission, Switching 01461
Data entry,
Office automation, Speech recognition, Technological forecasting 02287
Telephones, Speech transmission, Technology, Research and development 03046
Data processing,
Acoustics, Holograms, Transducers, Transmitters, Receivers 06862
Acoustics, Waveforms, Speech recognition, Interactive systems, Audio systems 01480
Banking, Videotex, Communication networks, Systems design 09396
Biomedical engineering, Instrumentation, Computer aided analysis 08630
Buses, Spectrometers, Interfaces, Software development, Economics 01897
Business, Communication networks, Computer aided manufacturing, Distribution 02983
Communication networks, Airlines, Interactive systems, Traffic, Scheduling 02981
Communication networks, Banking, Accounting, Packet switching 03029
Communication networks, Management, Reliability, Productivity, Economics 03019
Communication networks, Marine engineering, Navigation, Online systems 03090
Communication networks, Packet switching, Plug compatibility 06238
Communication networks, Protocols, Data base management systems 06244
Computers, Telecommunications, Dictionary 02464
File management, Management information systems 00605
Filters, Storage, Frequency 08756
Frequency, Functions, Point processes, Theorem proving 06334
Geology, Mapping, Image processing, Spectral analysis, Thermodynamics 07038
Geometry, Aerospace industry, Guidance and control systems, Mapping 00549
Health care, Information systems, Electronic equipment, Printers 05303
Image processing, Satellite communications, Films, Mapping 00535
Input output, Equipment, Research and development 07809
Mechanical handling, Control systems, Automation, Design, Interface 02332
Medical electronics, Cardiovascular system 07010
Micrographics, Economics, Office automation 05399
Microwaves, Radar, Remote sensing, Systems design, Aircraft 01526
Optical storage, Videodiscs, Technological forecasting, Image processing 00898
Organization and methods, Spacecraft, Modeling, Space Shuttle 05278
Packet switching, Communication networks, Speech transmission, Synchronization 07846
Packet switching, Traffic, Communication networks, Speech transmission 07954
Pattern recognition, Optical character recognition, Optical correlators 05728
Personnel, Records management, Automation, Micrographics, Information retrieval 02562
Printers, Electronic equipment, Output, Quality control, Productivity 02285
Probability, Distributions, Buses, Communication networks, Random variables 00238
Programmable calculators, Software development, Nuclear physics 03566
Programming, Filters, Structural analysis, Circuitry, Flow 02359
Security, Telecommunications, Government agencies, Encryption, Channels 03181
Speech recognition, Text processing, Remote access, Telephones 06274
Speech transmission, Multiplexing, Traffic, Performance, Delay 07994
Synthetic aperture radar, Antennae, Satellite communications, Image processing 01531
Telecommunications, Privacy, Sociology, Problem solving, Management 02881
Telecommunications, Signal transmission, Telephones, Research and development 07827
Telecommunications, Switching, Terminals, Microcomputers, Electronic equipment 01430
Telecommunications, Workstations, Convergence, Standards 06092
Telecommunications, Worldwide network, Political science, Technology 01294
Testing, Ultrasonics, Inspection, Automation 05105
Time series, Geophysics, Seismology, Microprocessors, Economics 00558
Transborder data flow, Security, Government regulations 02888
Typesetting, Word processing, Systems design 02543
Weighting, Least squares estimation, Reliability, Error 00142
Word processing, Ships, Electronic mail, Communication networks 03012
Data processing centers,
Electric power distribution, Protection, Power failure 01851
Environmental engineering, Ventilation, Cooling 00594
Japan, Networks, Systems design, Packet switching, Inter-university DP centers 09438
Power failure, Downtime, Economics, UPS 05415
Data structure,
Communication networks, Channels, Filters, Equalizers, Dissertation 06223
Image processing, Pattern recognition, Dissertation 05730
Image processing, Reconstruction, Organization and methods, Beam hardening 06993
Microelectronics, Architecture, Fabrication, Corner stitching 06033

Data structure, (continued)
Multiprocessors, Interfaces, Standards, Buses ... 00601
Scanners, Mapping, Software development, Spectral analysis ... 00537
Vision, Programming languages, Algebra, Identification, Dissertation ... 05723
Data transmission,
Access, Communication networks, Protocols, Channels, Allocation ... 06357
Aircraft, Routing, Channels, Multiplexing, Data compression ... 04657
Algorithms, Codes, Redundancy, Frequency ... 07967
Banking, Telecommunications, Fiber optics, Citibank ... 06147
Broadcasting, Packet switching, R-ALOHA ... 06107
Broadcasting, Protocols ... 09570
Buses, Fiber optics, Channels, Multiplexing ... 01363
Channels, Communications, Channel capacity ... 03156
Channels, Communications, State of the art ... 02879
Channels, Delay, Simulation, TDMA ... 09571
Channels, Interference, Noise, Mathematical modeling, Dissertation ... 01572
Channels, Noise, Dissertation ... 04609
Channels, Noise, Sequences, Multiplexing, Dissertation ... 04648
Channels, Satellite communications, Noise, Dissertation ... 01580
Channels, Signal processing, Satellite communications, Synchronization ... 02000
Channels, Teletext, Pulse shapes ... 01423
Closed circuit television, Speech transmission, Video systems, Control systems ... 02967
Coding, Arithmetic, Markov processes, Modeling, Matching ... 07959
Coding, Teletext, Multiplexing, Broadcasting, Music ... 02959
Communication networks, Access, Performance, Coding, Sequences ... 09559
Communication networks, Channels, Feedback, Noise, Convergence ... 09319
Communication networks, Channels, Synchronization, Control systems, Algorithms ... 07919
Communication networks, Diagnostics, Control, Case studies ... 03031
Communication networks, Integrated systems, Switching ... 06205
Communication networks, Modems, Channels, Leased lines, Resource management ... 01581
Communication networks, Office automation, Word processors, Standards ... 06193
Communication networks, Packet switching, Congestion probability ... 04516
Communication networks, Packet switching, Modeling ... 01450
Communication networks, Simulation, Noise, Channels, Dissertation ... 06361
Communication networks, Speech transmission, Economics ... 07826
Communication networks, Switching, Architecture ... 06215
Communication networks, Switching, Protocols, Access, Integrated systems ... 03055
Communications, Protocols, ALOHA, Throughput ... 07933
Communications, Research and development, History ... 06100
Compensators, Precipitation, Wave propagation, Satellite communications ... 01635
Cost benefit analysis, Multiprocessing, Networks, Architecture ... 06203
Data bases, Distributed systems, Transaction processing ... 06356
Data bases, Fiber optics, Buses, Multiplexing, Channels ... 01364
Distributed processing, Local area networks, Packet switching, Protocols ... 04640
Electric power distribution, Telemetry, Control systems, Microprocessors ... 04601
Electronic mail, Cost benefit analysis, Terminals ... 06202
Embedding, Video systems, Signal to noise ratio, Luminance, Channels ... 07776
Equalizers, Filtering, Self-orthogonalization ... 07942
Error detecting codes, Control systems, Communications, Reliability ... 06221
Error, Satellite communications, Multiple access systems, Synchronization ... 03041
Facsimile systems, Offshore structures, Drilling, Technical drawing ... 04611
Facsimile systems, Word processing, State government, Illinois ... 07816
Fiber optics, Cables, Satellite communications, Speech transmission ... 01433
Fiber optics, Communications, Codes ... 04548
Fiber optics, Fabrication, Fusion, Cables, Splicing ... 09384
Fiber optics, Lasers, Technological forecasting, Modulation ... 01361
Fiber optics, Local area networks, Private branch exchange ... 02931
Fiber optics, Networks, Systems design ... 07718
Fiber optics, Optical communications, Cables, Underwater technology ... 09347
Fiber optics, Optical communications, Design ... 09382
Fiber optics, Optical communications, Fabrication ... 09366
Fiber optics, Optical communications, Heterostructure lasers ... 09356
Fiber optics, Research and development, History ... 06144
Fiber optics, Sensors, Industry, Circuitry, Military ... 04552
Fiber optics, Signal processing, Sensors ... 02662
Fiber optics, Signal processing, Speech transmission, Multiplexing ... 09333
Fiber optics, Technology, Systems design ... 01360
Fiber optics, Telecommunications, Economics, State of the art ... 04566
Fiber optics, Telecommunications, Multiplexing ... 09354
Fiber optics, Telecommunications, Underwater technology ... 06142
Fiber optics, Underwater technology, Transmission lines, Channels ... 01370
Filters, Surface acoustic waves, Fiber optics ... 01357
Filters, Transformations, Mapping, Delay, Design ... 00638
Flow, Government policies, Developing countries, Resource management, Economics ... 04625
Image processing, Pattern recognition, Structural analysis, Coding ... 00863
Image processing, Printing, Lasers, Computer aided control ... 02611
Image processing, Televisions, Robots, Artificial intelligence ... 00430
Integrated circuits, Fiber optics, Signal processing, Waveguides ... 01335
Integrated circuits, Remote sensing, Personal computers, Microprocessors ... 03157
Interfaces, Standards, Local area networks, Packet switching ... 07818
Japan, Fiber optics, Channels ... 01365
Local area networks, Data bases, Mainframes, Desktop systems, Economics ... 03170
Local area networks, Integrated systems, Packet switching, Speech transmission ... 01465
Local area networks, Management, Technology, Flow, Economics ... 04622
Local area networks, Packet switching, Cambridge ring ... 04635
Local area networks, Packet switching, Protocols ... 04641
Local area networks, Protocols, Delay, Throughput ... 04786
Machine machine interactions, Architecture ... 03038
Machine machine interactions, Architecture, Distributed processing ... 02292
Military engineering, Radios, Mobile systems, Signal processing ... 01300
Mobile systems, Radio communications, Control systems ... 04529
Mobile systems, Radio communications, Microwaves, Signal processing, Noise ... 07929
Modeling, Communication networks, Traffic, Matrices, Performance ... 01424
Modems, Circuitry, Shift registers, Signal processing, Synchronization ... 03053
Modems, Noise, Signal processing, Error, Algorithms ... 07920
Modems, Performance, Design, Synchronization, Delay ... 06266

Data transmission, (continued)
Modulation, Coding, Voltage, Spectral analysis, Frequency ... 063
Modulation, Signal processing, Power supply, Pulse generation ... 047
Multiplexing, Telephones, Fiber optics, Waveguides ... 014
Networks, Computer aided control, Data bases, Telecommunications ... 062
Networks, Management, Compatibility, Economics, Standards ... 094
Networks, Packet switching, Access, Economics, ISDN ... 094
Networks, Routing, Modularization ... 053
Networks, Structural analysis, Electric power generation, Buses ... 049
Noise, Synchronization, Reliability, Token rings ... 047
Office automation, Business, Management information systems, Telecommunications ... 053
Office automation, Communications, Electronic mail ... 030
Office automation, Communications, State of the art ... 062
Office automation, Local area networks, Private branch exchange ... 070
Office automation, Private branch exchange, State of the art ... 094
Office automation, Routing, Information retrieval, Microcomputers ... 014
Office automation, Satellite communications, Microwave devices, Economics ... 046
Office automation, Storage, Optics, Decision making, Technological forecasting ... 062
Office automation, Telephones, Switching, Private branch exchange, PBX ... 094
Online systems, Silicon, Electron beams, Logic circuits, Arrays ... 028
Optical communications, Fiber optics, Alignment, Splicing ... 093
Packet switching, Channels, Satellite communications ... 014
Packet switching, Circuitry, Communication networks, Queueing theory ... 045
Packet switching, Communication networks, Architecture, DATAKIT ... 046
Parameter estimation, Identification, Power plants, Metering, Detection ... 050
Privacy, Encryption, Williams public-key encryption ... 047
Private automatic branch exchange, Word processing, Teletex, Electronic mail ... 046
Private branch exchange, Economics ... 014
Private branch exchange, Speech transmission, State of the art ... 070
Process control, Networks, Wire, Fiber optics ... 013
Protocols, Control systems, Broadcasting, Communication networks ... 047
Protocols, Local area networks, Robustness ... 047
Radio communications, Channels, Time measurement, Delay ... 093
Radio frequency, Frequency, Automation, Bandwidths, Distributed processing ... 049
Receivers, Communication networks, Noise, Channels, Quality control ... 095
Recording systems, Magnetic tapes, Storage, Tape drives, Microcomputers ... 070
Reliability, Error correcting codes ... 095
Remote sensing, Transborder data flow, Satellites ... 021
Research and development, Telecommunications, Fiber optics ... 013
Satellite communications, Aerospace engineering, Production, Economics ... 052
Satellite communications, Amplifiers, Channels, Traveling wave tubes ... 055
Satellite communications, Amplifiers, Traveling wave tubes, IMPATT diodes ... 006
Satellite communications, Channels, Speech transmission, Phase shift keying ... 014
Satellite communications, Communication networks, Mainframes, Economics ... 062
Satellite communications, Control systems, Traffic, Delay ... 060
Satellite communications, Controllers, Multiple access, Synchronization ... 061
Satellite communications, Education, Computer aided instruction ... 006
Satellite communications, Libraries ... 013
Satellite communications, Machine machine interactions, Traffic, Flow ... 045
Satellite communications, Marine engineering, Telephones, Telecommunications ... 004
Satellite communications, Marine engineering, Telephones, Phase shift keying ... 061
Satellite communications, Meteorology, Remote sensing, Data collection ... 037
Satellite communications, Multiplexing, Time series, Frequency, Modular design ... 061
Satellite communications, Optics, Performance, Coding, Modeling ... 079
Satellite communications, Teleconferencing, Video systems ... 013
Satellite communications, Underwater technology, Fiber optics, Cables ... 094
Satellites, Channels, Bandwidths, Transponders ... 004
Satellites, Seismology, Marine engineering, Signal processing ... 005
Scheduling, Communication networks, Protocols, Control systems, Dissertation ... 037
Seismology, Satellites, Marine engineering ... 005
Signal processing, Channels, Estimation, Radios, Simulation ... 076
Signal processing, Fiber optics, Semiconductor lasers ... 025
Signal processing, Fourier transforms ... 015
Signal processing, Frequency, Channels, Radio communications ... 013
Signal processing, Laguerre adaptive equalizers ... 046
Signal processing, Noise, Channels, Radio frequency, Optimization ... 047
Signal processing, Noise, Modeling ... 079
Signal processing, Oceanography, Acoustics, Systems design, Dissertation ... 062
Signal processing, Parameter estimation, Fault detection, Switching ... 015
Signal to noise ratio, Pulse code modulation, Channels, Error ... 015
Signal transmission, Communication networks, AT&T CSDC ... 070
Speech recognition, Algorithms, Allocation ... 062
Speech recognition, Recording systems, Military aircraft ... 085
Speech recognition, Switching, Buffers ... 094
Speech transmission, Channels, Traffic, Modeling ... 031
Speech transmission, Communication networks, Systems design, Rolm CBX II ... 046
Speech transmission, Electronic mail, Information retrieval, Integrated systems ... 062
Speech transmission, Integrated systems, Data bases, Resource management ... 078
Speech transmission, Integrated systems, Electronic mail, Switching, Economics ... 062
Speech transmission, Multiplexing, Time measurement, Queueing theory ... 079
Speech transmission, Packet switching, Communication networks, Traffic ... 078
Speech transmission, Private branch exchange, Switching, Electronic equipment ... 014
Speech transmission, Telecommunications, Economics ... 030
Speech transmission, Telecommunications, Integrated systems ... 014
Speech transmission, Telecommunications, Modeling, Dissertation ... 015
Storage, Dosimetry, Cross sectional measurement ... 003
Switching, Telecommunications, Digitizing, Speech synthesis ... 0464
Technology transfer, Telecommunications, Capital investment, Asia, Dissertation ... 028
Telecommunications, Economics ... 0944
Telecommunications, Electronic mail, TELEMAIL TM ... 0622
Telecommunications, Microprocessors, Channels, Antennae, Meteor-burst ... 0611
Telecommunications, Networks, Switching ... 0304
Telecommunications, Networks, Testing, Hewlett-Packard ... 0623
Telecommunications, Office automation, Project engineering ... 012
Telecommunications, Office automation, Radios, Image processing ... 0304
Telecommunications, Offshore engineering, Fiber optics ... 0933

transmission, (continued)
ecommunications, Security, Cryptography 03178
ecommunications, Switching, Incotel IMX300 06258
ecommunications, Terminals, Software development, Man machine interactions 06208
emetry, Large scale integration, Microprocessors, Instrumentation 04589
etex, Modems, Speech transmission, Converters, Technological forecasting 07832
etex, Office automation, Word processing, Technological forecasting 06245
etext, Bandwidths, Pulse shape Design 01422
evisions, Chrominance signals, Luminance 01387
ex, Electronic mail, Telecommunications, State of the art 01438
ne measurement, Corrections, Synchronization, Sensors 05440
derwater technology, Fiber optics, Technological forecasting 01371
derwater technology, Unmanned vehicles, Sensors, Surface craft 07043
eotex, Office automation, Data bases, Terminals, Technology 02924
eotex, Teletext, Technology 06134
eotex, Traffic, Modeling, Customer services 06124
avelengths, Semiconductor lasers, Fiber optics 01334
gging,
crocomputers, Reliability, Bus-board systems 05404
wer systems, State estimators, Modeling 04948
y,
ta collection, Electrodes, Current, Capacitance, Electrical double layer 00370
citation, Ionization, Lasers 05746
citons, Lasers, Amplifiers, Frequency 08991
ltage, Charge carriers, Semiconductors, Service life, Capacitance 02688
oders,
sephson junctions, Integrated circuits, Logic circuits 04080
gic circuits, Josephson junctions, Velocity, Current 04081
gic circuits, Memory, Damping, Josephson junctions, Fabrication 04084
oding,
annels, Convolutional codes 07968
ding, Circuitry, Modulation, Codec 06389
ding, Error, Performance, Signal processing 07956
nvolutional codes, Quantization, Boundary value problems 03179
nvolutional codes, Truncation error, Boundary value problems 01591
ta transmission, Reliability, Error correcting codes 09583
coding, Channels, Communications 09554
ror correcting codes, Parallel processing, Pipelining, Architecture 09579
ror, Interference 09578
gic, Parity checks, Binary cyclic codes 01592
dio communications, Protocols, Channels 02900
gnal processing, Modulation 06378
nchronization, Signal to noise ratio, Error correcting codes 09582
omposition,
ectrometers, Microcomputers, Control systems, Thermodynamics 05077
cts,
atings, Disks, Magnetics, Recording systems 05877
etection, Impedance, Electric fields, Solenoids 08447
electrics, Surface properties, Lasers, Irradiation 07536
allium arsenide, Schottky barriers, Charge carriers, Band structure 09194
tegrated circuits, Testing, Microelectronics 06047
terferometry, Televisions, Quality control, Automation, Surface properties 08503
olecular beam epitaxy, Avalanche diodes, Superlattices, GaAs/AlGaAs 08868
iobium, Surface properties, Superconductivity, Thermal variables measurement 04057
n junctions, Electric fields, Spectroscopy, Carrier mobility, Nickel 02699
olyethylene, Stress, Voltage, Insulators 05565
emiconductors, Layers, Absorption, Numerical analysis 02708
olar cells, Electrons, Irradiation, Fabrication, A-Si:H 08881
uperconductors, Current voltage, Aluminum, Alloys, Silver 09059
ransition metals, Electrical conductivity, Oxidation, Thermogravimetry 06880
ense,
lectronic warfare, Radio communications, Military engineering, Interference 00503
ilitary engineering, Guidance and control systems, Military aircraft 00496
ormation,
rcs, Insulators, Combustion 02471
rcs, Insulators, Magnetohydrodynamics, Electrodes 01788
hemical variables measurement, Hydrogen, Arc welding, Electrooptics 03964
ielectrics, Shock waves, Wave propagation, Differential equations 05886
lectric variables measurement, Hydrocarbon processing, Dispersion 05084
nergy bands, Hydrogen, Semiconductors, Dissertation 02709
ngines, Thermodynamics, Tensile strength, Loading, Strain 08392
iber optics, Strain, Thermal variables measurement 06156
iber optics, Wave propagation, Transducers, Photoelasticity 07756
strumentation, Nondestructive testing, Ultrasonics 00261
inematics, Electrochemistry, Paper industry, Inspection 02657
quids, Magnetic variables measurement, Materials testing, Mechanical strength 08454
ogic circuits, Field effect transistors, Metal insulator semiconductors 04405
etal oxide semiconductors, Transistors, Mirrors, Modeling 07326
olymers, Transmission lines, Chemical variables measurement, Insulators 00115
ilicon carbide, Schottky diodes, Electroluminescence, Band gaps 07554
urface acoustic waves, Wave propagation, Stress, Equations of motion 06721
hermal variables measurement, Physical properties, Instrumentation 06710
hermal variables measurement, Soldering, Ceramics, Integrated circuits 06085
ransmission lines, Fluidics, Conductors 01038
elding, Transducers, Acoustics, Frequency, Holography 03510
radation,
luminum oxide, Electrolytes, Surface properties, Batteries 04974
harge carriers, Lifetimes, Diffusion, Detectors 08409
ectroluminescence, Gallium phosphide, Light emitting diodes, Visible range 03961
ailure, Stress, Solar cells 05620
allium arsenic phosphide, Light emitting diodes, Stress 02526
allium arsenide, Light emitting diodes, Protons, Irradiation 08901
allium phosphide, Light emitting diodes, Dislocations, Pn junctions 05677
jection lasers, Modulation, Structural analysis 05739
tegrated circuits, Moisture control, Connectors, Contacts 02868
etal insulator semiconductors, Evaporation, Electroluminescence, CdF_2:Mn, Y 05679

Degradation, (continued)
MNOS, Transistors, Silicon nitride, Contacts, Injection 05932
MOSFET, Electrons, Injection, Thermal variables measurement 05970
MOSFET, Transistors, Electrons, Injection, Channels 05982
MOSFET, Transistors, Transconductance, Hot electrons 05969
Nickel, Cadmium, Cells, Impedance 06655
Nickel, Electrodes, Performance 06654
Optics, Illumination, Solar cells, Stability 00790
Performance, Silicon, Solar cells, Electrons, Irradiation 07272
Radios, Frequency, Transmission 06111
Semiconductor lasers, Light emitting diodes, Surface properties, Corrosion 05682
Silicon, Diodes, Space charge, Illumination, Annealing 05907
Solar cells, Contacts, Metallization, Electrochemistry 05654
Temperature, Magnetics, Sensors, Diodes, Noise 05910
Wave propagation, Fiber optics, Scattering, Attenuation 08025
Delay,
Algorithms, Simulation, Logic, Metal oxide semiconductors 05924
Approximations, Metal oxide semiconductors, Integrated circuits, Modeling 05941
Automatic control, Pulse generation 02447
Bipolar devices, Digital to analog converters, Velocity 07217
Bipolar devices, Logic circuits, Large scale integration 04474
Channels, Data transmission, Simulation, TDMA 09571
Circuitry, Arbiters, Latch, Synchronizers, Modeling 00609
Circuitry, Filters, Time measurement, FIR filters 07137
Communication networks, Integrated systems, Signal transmission, Performance 04663
Communication networks, Multiprocessors, Packet switching, Controllers, Loading 06269
Communication networks, Queueing theory, Coding, Dissertation 06376
Communication networks, Satellite communications, Protocols 01410
Computer programs, Optimization, Microwaves, Noise, Circuitry 03239
Control systems, Access, Communication networks, Random processes 09595
Data transmission, Filters, Transformations, Mapping, Design 00638
Discrete time systems, Stochastic systems, Parameter estimation 03574
Doppler effect, Estimation, Theorem proving, Boundary value problems 09562
Estimation, Time measurement, Sensors, Signal to noise ratio, Data compression 06320
Filtering, Signal processing, Transmission lines, Superconductivity 04056
Filters, Convex programming, Groups, Error, Numerical analysis 02395
Filters, Estimation, Error, Signal processing, Simulation 01544
Filters, Signal processing, Noise, Frequency, Dissertation 06380
Filters, Stability, Transfer functions 03796
Input output, Metal oxide semiconductors, Channels, Finite element method 07583
Integrated circuits, Logic circuits, Josephson junctions 02616
Local area networks, Access, Algorithms, Performance, Dissertation 03744
Local area networks, Performance, Protocols, Modeling, Standards 06256
Local area networks, Protocols, Access, Control systems, Stability 01428
Logic circuits, Arithmetic circuits, Counters, Parallel processing 06031
Logic circuits, Modeling, Structural analysis, Design, Signal processing 04472
Logic circuits, Programming, Arrays, Testing 03740
Mathematical models, Neurophysiology, Networks, Parameter estimation 05329
Metal oxide semiconductors, Integrated circuits, Signal processing 06028
Minimax, Multiplexing, Channels, Transmission 07996
Mobile systems, Radios, Access, Speech transmission, Simulation 07681
Modeling, Simulation, Controllers, Specifications, Algebraic equations 05222
Modeling, Speech synthesis, Multiplexing, Simulation, Packet switching 07995
Modems, Performance, Design, Data transmission, Synchronization 06266
Modulation, Speech recognition, Signal transmission, Coding, Performance 07986
Networks, Transfer functions, Hilbert transforms 02405
Packet switching, Communication networks, Speech transmission, Data processing 07846
Polynomials, Stability, Ordinary differential equations, Testing 00676
Radio communications, Packet switching, Throughput, Dissertation 04525
Radios, Speech transmission, Satellite communications, Synchronization 01415
Random access memory, Communication networks, Channels, Hybrid systems, Traffic ... 04581
Recursion, Filters, Transformations, Transfer functions, Structural analysis 08754
Satellite communications, Packet switching, Queueing theory, Algorithms 09406
Signal detection, Acoustooptics, Spectral analysis 00849
Signal detection, Gain, Simulation, Cross-correlation method 03148
Signal detection, Noise, Dissertation 01559
Signal processing, Error, Detection, Filters, Frequency 03192
Signal processing, Excitation, Pulse generation, Emissions 02524
Signal processing, Frequency, Input output, Detection 01545
Signal processing, Noise, Echo cancelling 03146
Signal processing, Noise, Gaussian processes, Random variables 03138
Signal processing, Paper industry, Nondestructive testing, Filtering 04750
Signal processing, Wave propagation, Integrated circuits, Energy, Technology 09281
Signal transmission, Channels, Satellite communications, Scheduling 07811
Signal transmission, Noise, Waveforms, Synchronizers 07928
Signals, Modulation, Tracking 07915
Signals, Waveforms, Filters, Pulses, Ambiguity 08737
Simulation, Signals, Time measurement 06331
Simulation, Telecommunications, Displays, Computer graphics, Control systems 05237
Software development, Performance, Filtering, Optical communications 07328
Speech transmission, Data processing, Multiplexing, Traffic, Performance 07994
Speech transmission, Packet switching, Circuitry, Channels, Probability 07844
Superconductors, Filters, Striplines, Microwaves, Signal processing 09055
Switching, Logic circuits, Data transmission, Noise, Autopilots, Spacecraft 02087
Teletext, Signal transmission, Distortion, Pattern recognition, Simulation 03037
Televisions, Signal processing, Memory, Coding, Descrambling 06164
Throughput, Local area networks, Data transmission, Queueing theory 04786
Throughput, Protocols, Packet switching, Local area networks, Fault tolerance 04666
Time measurement, Channels, Data transmission, Radio communications 09314
Time measurement, Filters, Noise, Gain, Butterworth filter 03797
Time measurement, Logic circuits, Metal oxide semiconductors, Modeling 05995
Time measurement, Signals, Filtering 01562
Time measurement, Signals, Output 07897
Time measurement, Synchronizers, Waveforms, Noise 07927
Traffic, Satellite communications, Data transmission, Control systems 06093
Transfer functions, Filters, Fabrication 03801

Delay, (continued)
Wave propagation, Parameter estimation ... 03828
Demodulation,
Analog to digital converters, Interference, Spread spectrum communications ... 02454
Image processing, Coding, Error, Reliability, Quality control ... 03191
Modulation, Frequency, Signal processing, Detection, Algorithms ... 07985
Receivers, Frequency, Phase shift keying, Coding, Performance ... 09581
Signal processing, Coding, Channels, Noise, Density ... 09555
Signal reception, Channels, Interference, Phase locked loops ... 09561
Signals, Coding, Televisions ... 09398
Signals, Filters, Dissertation ... 01600
Signals, Frequency, Time measurement ... 07911
Speech transmission, Communications, Air traffic control ... 07687
Synchronization, Data communications, Networks ... 01417
Denmark,
Telecommunications, Ships, Cables, Machinery, Construction ... 03016
Density,
Audio systems, Recording systems, Signal processing, Frequency ... 03081
Bones, Light scattering, Computed tomography, Signal processing ... 00505
Charge carriers, Current voltage, Schottky barriers ... 01140
Charge carriers, Semiconductor lasers, Dynamics, Modeling, Numerical analysis ... 04015
Cryogenics, Transducers, Flow of gases, Measurement ... 08497
Disks, Thin films, Radios, Frequency, Ferrites ... 05862
Distributions, Fluxes, Induction motors, Rotors, Computer aided analysis ... 01685
Eddy current, Boundary element method, Magnetic fields, Conductors ... 05559
Eddy current, Conductors, Vacuum technology, Mathematical models ... 06764
Electromagnetic waves, Charge carriers, Tantalum sulfide, Noise ... 00376
Electromagnetic waves, Energy bands, Conductivity, Semiconductors, Scattering ... 00022
Electron beams, Distributions, Scanning, Reconstruction, Computed tomography ... 00265
Gallium arsenide, Field effect transistors, Logic circuits ... 07589
Helium, Cryogenics, Acoustic waves, Hydrodynamics, Dissertation ... 00355
Integrated circuits, Packaging, Technology, Arrays ... 02847
Interface states, Capacitance voltage, Frequency ... 04402
Interferometry, Shock waves, Aerodynamics, Shear strength ... 00869
Liquids, Measurement, Computer aided control, Transducers ... 09155
Magnetic fields, Circuitry, Flux, Finite element method, Numerical analysis ... 07517
Magnetic storage, Recording systems, Image processing, Radiology ... 02139
Magnetic variables measurement, Finite element method, Materials testing ... 07516
Magnetics, Flux, Voltage, Power ... 06623
Measurement, Gas lasers, Excitation, Oxygen, Fluorescence ... 06713
Memory, Thin films, Shift registers, Chemical variables control ... 02679
Modulation, Spectral analysis, Phase shift keying, Signal processing ... 09594
Noise, Prediction, Probability, Fiber optics, Extrapolation ... 04558
Numerical analysis, Eddy current, Conductors, Matrices, Metals ... 06768
Optical storage, Magnetic storage, Performance ... 00607
Optics, Lasers, Carbon dioxide, Thermodynamics, Gallium arsenide ... 05772
Probability, Fourier analysis, Series expansion, Noise, Phase shift keying ... 07895
Semiconductor lasers, Noise, Theoretical analysis, Quantum mechanics ... 00957
Simulation, Distributions, Interfaces, Metal oxide semiconductors ... 02763
Spectral analysis, Recording systems, Noise, Magnetic fields, Particulate layer ... 05858
Transmission lines, Finite element method, Approximations, Current ... 01772
Density measurement,
Materials testing, Transducers, Reliability ... 09144
Dentistry,
Gas lasers, Biomedical engineering, Research and development, Therapeutics ... 09043
Depolarization,
Satellite communications, Networks, Data transmission, Compensators ... 01635
Depth measurement,
Thermal variables measurement, Gas lasers, Carbon dioxide, Damage ... 01000
Desalination,
Electrochemistry, Process control, Electrodialysis ... 02319
Electrodialysis, Hydraulic control equipment, Mass transfer ... 02320
Electrodialysis, Service life, Electrodes ... 02321
Electrodialysis, Systems design, Salt, Volume measurement ... 02323
Electrodialysis, Water treatment ... 02318
Electromagnetic fields, Hydrocarbon processing, Distillation ... 00171
Mass transfer, Hydrodynamics, Electrodialysis, Process development ... 02322
Design,
Accelerometers, Fabrication, Capacitance, Silicon ... 05130
Accumulators, Lead, Graphite, Hydrofluoric acid ... 04973
Acoustics, Underwater technology, Transducers, Calibration ... 04731
Acoustooptics, Transducers, Focusing, Signal processing, Dissertation ... 09142
Actuators, Fabrication, Electric power apparatus, Aircraft ... 08585
Actuators, Lasers, Lenses, Gain ... 01502
Adhesives, Robots, Automation, Research and development ... 06920
Aircraft, Electric power apparatus, Costs, Planning ... 08586
Aircraft, Electric power apparatus, Research and development ... 08588
Aircraft, Microwave devices, Guidance and control systems, Performance ... 06968
Aluminum gallium arsenide, Quantum wells, Heterostructure lasers ... 07370
Amplifiers, Integrators, Differentiators ... 05483
Amplifiers, Microelectronics, Circuitry ... 05522
Analog systems, Filters, State of the art, Microelectronics ... 08766
Analog to digital converters, Circuitry, Signal processing, Power supply ... 05806
Antennae, Communications, Testing ... 08114
Antennae, Optimization, Waveguides ... 06490
Antennae, Performance, Beacons, Transponders ... 08099
Antennae, Signal processing, Computer aided analysis ... 06489
Antennae, Site selection, Grounding, Extremely low frequency ... 08129
Arrays, Adaptive control, Modeling ... 08092
Arrays, Processors, Speech recognition ... 00350
Baffles, Optics, Radiation, Reflection ... 00873
Batteries, Power supply ... 00178
Batteries, Sodium, Sulfur, Specific heat, Entropy ... 03334
Betatrons, Accelerators, Magnetic fields, Lasers ... 08512
Bipolar devices, Telecommunications, Circuitry, Switching, Buses ... 07640
Bipolar transistors, Switching, Performance ... 07579

Design, (continued)
Branch and bound method, Circuitry, Filters, FIR filters ...
Buses, Short circuits, Electromagnetics, Force, Oscillation ...
Cables, Stability, Binding, Mechanical strength, Performance ...
Calibration, Gauges, Acoustics, Velocity, Transducers ...
Capacitors, Switching, Filters, Frequency, Pulse code modulation ...
Capacitors, Switching, Filters, Sensitivity, Monte Carlo method ...
Carbon dioxide, Gas lasers, Waveguides, France ...
Carbon dioxide, Gas lasers, Waveguides, Pumping ...
Cathode ray tubes, Formatting, Modeling, Grammars, Dissertation ...
Cathodes, Osmium, Coatings, Emissions ...
Cavities, Resonators, Gyrotrons, Gyroklystrons, Cycolotron frequency ...
Cells, Electrodes, Electrolytes, Lithium thionyl chloride ...
Channels, Logic circuits ...
Charge coupled devices, Thin films, Tellurium, Bismuth telluride ...
Circuit breakers, Generators, Voltage, Current ...
Circuitry, Amplifiers, Random access memory ...
Circuitry, Automatic testing, Fault detection ...
Circuitry, Bent hysteresis, Chaotic systems ...
Circuitry, Compensators, Transfer functions ...
Circuitry, Conversion, Sensitivity ...
Circuitry, Couplers, Computer aided analysis ...
Circuitry, Coupling, Networks ...
Circuitry, Filters ...
Circuitry, Filters, FIR filters, Prefilter structure ...
Circuitry, Filters, Impulse response, FIR filters ...
Circuitry, Filters, Linear programming, FIR filters ...
Circuitry, Filters, Precision engineering ...
Circuitry, Filters, Symmetry ...
Circuitry, Filters, Transfer functions, FIR filters ...
Circuitry, Injection lasers, Semiconductor lasers, Modulation, Communications ...
Circuitry, Input output, Speech transmission ...
Circuitry, Metal oxide semiconductors, Transistors, Signal processing, Noise ...
Circuitry, Microprocessors, Random access memory ...
Circuitry, Superconductors, Generators, Performance ...
Circuitry, Time measurement, Dissertation, Clocking discipline ...
CMOS, Circuitry, Transistors, Masks ...
CMOS, Transistors, Voltage ...
Cogeneration, Power plants, Fuels, Coal, Research and development ...
Communication networks, Economics ...
Communication networks, Multiplexing, Packet switching, Circuitry, Routing ...
Communications, Fiber optics, Optical variables measurement ...
Communications, Transmission lines, Modules, Telephones ...
Compensators, Automatic control ...
Connectors, Contacts, Microwaves, Couplers, Detectors ...
Contacts, Solar energy, Concentrators, Solar cells, $Al_xGa_{1-x}As$-GaAs ...
Contacts, Vacuum technology, Interrupters, Arcs ...
Control systems, Tracking ...
Controllers, Tracking, Performance, Dissertation ...
Convolvers, Signal processing, Multipliers, Filters ...
Couplers, Millimeter waves, Integrated circuits ...
Detectors, Ion implantation, Magnetics, Domains ...
Dielectrics, Resonators, Microwaves, Integrated circuits ...
Digital systems, Filters ...
Drives, Controllers, Electric variables measurement, Induction motors ...
Dye lasers, Oscillators, Amplifiers, Mode locking, Pulse generation ...
Economics, Electric power distribution, Power plants, Specifications ...
Education, Robots, Programming languages, Radios, Research and development ...
Electric power distribution, Power systems, Computer aided instruction ...
Electric power distribution, Switchgear, Voltage, Costs, Reliability ...
Electrochemical reactions, Cells, Electrolytes, Energy storage components ...
Electromagnetics, Software development, Modules, Problem solving ...
Electron guns, Coupling, Focusing, Permanent magnets ...
Electronic equipment, Machinery, Performance, Finite element method ...
Electroplating, Radiochemical analysis, Reliability ...
Epitaxial growth, Reactors, Semiconductors, Technological forecasting ...
Fabrication, Field effect transistors, Silicon, Photodetectors, Technology ...
Fabrication, Gallium arsenide, Field effect transistors, Amplifiers, Microwaves ...
Fabrication, Waveguides, Lithium niobate, Dissertation ...
Fabry Perot interferometers, Etalons, Control systems, Far infrared ...
Fiber optics, Cables, Optical properties, Attenuation ...
Fiber optics, Cables, Structural analysis, Thermal variables measurement ...
Fiber optics, Cables, Underwater technology, Reliability, Costs ...
Fiber optics, Cladding, Wavelengths, Cuttoff ...
Fiber optics, Data communications, Structural analysis, Wave propagation ...
Fiber optics, Fabrication, Sensors, Gyroscopes, Modulators ...
Fiber optics, Isolators, Birefringence, Temperature ...
Fiber optics, Mechanical strength ...
Fiber optics, Optical communications, Data transmission ...
Fiber optics, Receivers, Communications, Performance ...
Fiber optics, Receivers, Transmission, Wavelengths ...
Fiber optics, Sensors, Geophysics ...
Fiber optics, Sights, Resolution, Military engineering ...
Fiber optics, Signal processing, Receivers, Testing ...
Fiber optics, Transmission, Performance ...
Filtering, Extrapolation, Stochastic processes, Differential equations ...
Filters, Algorithms, Convergence, Graphs, Signal processing ...
Filters, Amplifiers, Performance, Dissertation ...
Filters, Amplitude, Integrals, Processors, Dissertation ...
Filters, Capacitors, Amplifiers, Recursion, Numerical analysis ...
Filters, Circuitry, Resistors ...
Filters, Controllers, Switching, Voltage ...
Filters, Error, Modeling, Noise, Signal processing ...
Filters, Feedback, Stability, Convergence, Stochastic processes ...
Filters, Iterative method, Approximations ...
Filters, Optimization, Current voltage, Structural analysis, Numerical analysis ...

ign, (continued)
ilters, Recursion ... 02374
ilters, Recursion, Convergence, Search strategies, Error ... 03807
ilters, Specifications, Iterative method, Quadrature mirror filters ... 09588
ilters, Switching, Capacitors ... 07145
ilters, Transfer functions, Digital recursive filters ... 08748
ilters, Transfer functions, Dissertation, Finite-word-length effects ... 00652
ilters, Transmission zeros, Amplitude ... 05442
ilters, Weighting, Recursion, Numerical analysis ... 08746
lexible manufacturing systems, Assembling, Computer aided control, Robots ... 00406
lowmeters, Ultrasonics, Economics, Research and development ... 03519
luorescence, Optical systems, Optimization, Service life ... 03959
uses, Voltage, Current density ... 06772
allium arsenide, Field effect transistors, Amplifiers, Phase shifts ... 08813
allium arsenide, Random access memory, Signal processing, Radiation ... 06016
allium arsenide, Solar cells, Performance, Optimization ... 05642
as lasers, Discharges, Circuitry, Optimization, Relays ... 08988
as lasers, Frequency, Stability, HeNe ... 00976
as lasers, Tuning, Pressure, Waveguides ... 09011
as lasers, Waveguides, Pressure, Tuning, Frequency ... 09028
ermanium, Photodiodes, Optical communications ... 07258
uidance and control systems, Sensors, Performance, Testing, Spacecraft ... 05271
unn effect, Oscillators, Tuning, Waveguides ... 08067
HEL, Lasers, Optics, Alignment, Telescopes ... 00810
Heterostructure lasers, Performance, Modes, InGaAsP/InP ... 05756
Hydroelectric power generation, Generators, Maintenance, Performance ... 06550
mpedance, Relays, Protection, Busbars ... 06603
nduction motors, Optimization ... 01691
nfrared, Lasers, Optical systems, Distance measurement ... 00991
nstrumentation, Switching, Electric variables control, Measurement ... 06588
ntegrated circuits, Decomposition, Hierarchies, Routing, Dissertation ... 06017
ntegrated circuits, Fabrication, Error, Simulation, Metal oxide semiconductors ... 07638
ntegrated circuits, Filters ... 00657
ntegrated circuits, Metal oxide semiconductors, Current voltage, Performance ... 07636
ntegrated circuits, Optimization, Computer graphics ... 07635
ntegrated circuits, Signal processing, Book ... 07169
ntegrated circuits, Structural analysis, Simulation, Modeling, Semiconductors ... 04364
ntegrated circuits, Technology, Converters, Arrays, Automation ... 07634
ntegrated circuits, Technology, State of the art ... 02846
nverters, Inductance, Harmonics, Current ... 08835
nverters, Optimization, Circuitry, Voltage, Performance ... 08834
terative method, Filters, Dissertation ... 00651
terative method, Filters, IIR/FIR filters ... 02389
Josephson effect, Memory, Cells, Current ... 09295
Klystrons, Free electron lasers, Power supply, Wavelengths ... 02585
Lasers, Carbon dioxide, Research and development, Reliability ... 05747
Lasers, Optical systems, Alignment, Distance measurement, Military engineering ... 00990
Lenses, Electrodes, Electrooptics, Ion microprobes ... 07315
Limiters, Receivers, Navigation, Circuitry, Frequency ... 09491
Livestock equipment, Pumps, Water, Solar energy, Economics ... 06667
Logic circuits, Optimization, MESFET, Gallium arsenide ... 09248
Logic circuits, Resistors, Technology ... 04085
Logic circuits, Switching, Transistors, Dissertation ... 07574
Logic, Hardening, Integrated circuits, Random access memory, Error ... 06001
Magnetics, Shielding, Magnetohydrodynamics, Energy conversion ... 06639
Magnetohydrodynamics, Magnets, Superconductors ... 04181
Mathematical models, Transducers, Fault detection, Nondestructive testing ... 02670
Mechanical handling, Robots, Stair robots ... 08533
Memory, Circuitry, Bias, Redundancy, Thermodynamics ... 05861
Mercury, Lasers, Electron beams, Glow discharge ... 07415
Metal oxide semiconductors, Integrated circuits, Converters ... 07218
Metal oxide semiconductors, Transistors, Logic circuits ... 05953
Metal oxide semiconductors, Transistors, Simulation, Dissertation ... 02744
Methyl fluoride, Gas lasers, Far infrared, Pumping, Resonance ... 07398
Metrology, Circuitry, Frequency, Quality control ... 08426
Metrology, Resistors, Performance, Fabrication ... 08851
Microelectronics, Integrated circuits, Routing, Wire routing ... 02811
Microelectronics, Integrated circuits, Silicon compilation ... 02823
Microelectronics, Semiconductors, Logic circuits, Electron beam direct writing ... 02872
Microelectronics, Technology, State of the art ... 01251
Microwave devices, Instrumentation, Radiation, Measurement ... 04536
Microwaves, Circuitry, Impedance, Numerical analysis ... 06475
Millimeter waves, Mixers, Waveguides, Performance ... 06453
Missiles, Guidance and control systems, Optimization, Performance ... 05273
Modems, Performance, Data transmission, Synchronization, Delay ... 06266
MOSFET, Field effect transistors, Electric fields, Voltage, Channels ... 09231
MOSFET, Power transistors, Fabrication, Integrated circuits ... 07593
MOSFET, Transistors, Frequency, Capacitance ... 07613
Motors, Stress, Electric fields, Book ... 08150
Multiplexers, Fiber optics, Optical communications ... 09366
Networks, Circuitry, Filters, Network theory ... 07163
Networks, Impedance, Transformers ... 01090
Neurophysiology, Recording systems, Laboratory testing ... 05324
Nickel, Hydrogen, Cells, Separators ... 08319
Niobium, Resonators, Superconductivity, Electric fields, Particle accelerators ... 04170
Nuclear reactors, Fusion, Tritium, Diffusion ... 00194
Optical systems, Alignment, Cost benefit analysis ... 00872
Optical systems, Lasers, DIVAD, Weapons, Military engineering ... 00811
Optical systems, Materials testing, Thermal variables measurement, Astrophysics ... 00281
Optics, Quality control, Aircraft engineering, Simulation, Displays ... 08885
Optics, X-rays, Ultraviolet, Zone plates ... 05053
Optimization, CMOS, Bipolar transistors, Latching ... 09241
Optimization, Converters, Power, Capacitors ... 06600
Optimization, Dielectrics, Waveguides, Radiation loss, Volume current method ... 07491
Optimization, Filters, Least squares estimation, Trees, Minimax ... 03806
Optimization, Induction motors ... 06541

Design, (continued)
Optimization, Insulators, Vacuum technology, Electric fields ... 05085
Optimization, Magnetohydrodynamics, Solenoids, Numerical analysis ... 06642
Optimization, Solar energy, Solar collectors, Dynamic programming ... 03358
Oscillators, Circuitry, Noise ... 08827
Oscillators, Control systems, Voltage, Phase shifts ... 07206
Oscillators, Numerical analysis ... 08826
Permanent magnets, Composite materials, Iron, Epoxy resins, Dissertation ... 07526
Phase locked loops, Signal processing, Detectors ... 07917
Photomultipliers, Magnetic variables control ... 05591
Photovoltaics, Arrays, Costs ... 08341
Photovoltaics, Modules, Structural analysis, Research and development ... 06980
Photovoltaics, Solar cells, Fabrication, Cost benefit analysis ... 05648
Polysilicon, Field effect transistors, Integrated circuits, CMOS, Doping ... 07596
Position control, Couplers, Phase shifts, Channels, Power systems ... 08125
Power plants, Electric power generation ... 08361
Power supply, Magnetic fields, Rotation, Turbines, Generators ... 08141
Power systems, Performance, Electric power generation, Atmospheric conditions ... 08270
Power systems, Power supply, Reliability, Voltage ... 08369
Power systems, Relays, Wave propagation, Performance ... 08268
Precision engineering, Circuitry, Filters ... 02383
Pressure, Gauges, Piezoelectricity, Economics ... 04299
Propellers, Wind turbines, Loading, Optimization ... 04861
Pulse shape, Bandwidths, Data transmission, Teletext ... 01422
Pumps, Frequency, Control systems, Drives, Loading ... 04875
Random access memory, Transistors, Logic circuits, Energy consumption ... 07578
Reflection, Filters, Infrared, Optics ... 00278
Refractometers, Optical systems ... 03950
Research and development, Networks, Filters, Analog active networks ... 07127
Resonators, Neodymium, YAG lasers, Emissions ... 09021
Robots, Flexible manufacturing systems, Assembling, Vision, Sensors ... 06919
Robots, Welding, Research and development, Manufacturing ... 06921
Rocket engines, Supersonic flow, Exhaust gases, Nozzles ... 05269
Satellite communications, Reliability ... 09419
Satellites, Position control, Filters, Temperature ... 07859
Semiconductor lasers, Optics, Wave propagation, Cost benefit analysis ... 05758
Semiconductor lasers, Performance, InGaAsP/InP ... 05755
Semiconductor lasers, Pumping ... 09003
Semiconductor lasers, Structural analysis, Optimization, Mode selection ... 07389
Shipbuilding, Remote control, Underwater technology, Oil exploration ... 05427
Signal processing, Quantizers, Statistical analysis, Histograms, Probability ... 07982
Silicon, Detection, Fabrication, Electronic equipment, Research and development ... 06887
Silicon, Solar cells, Fabrication, Passivation ... 07269
Silicon, Solar cells, Point contacts, Energy conversion, Temperature ... 05612
Solar cells, Computer aided analysis, Energy conversion, Fuel efficiency ... 02507
Solar cells, Semiconductors, Etching, III-V compounds ... 07263
Solar energy, Electric power distribution, Management, Solar power generation ... 03372
Solenoids, Cryogenics, Superconductivity ... 04229
Solenoids, Mirrors, Magnetic fields, Magnetohydrodynamics ... 06643
Spacecraft, Motors, Nozzles, Vibration, Materials testing ... 04878
Stability, Controllers, Optimization, Simulation, Feedback ... 04954
Stability, Excitation, Control systems, Power systems ... 06512
Submersibles, Remote control, Life support systems, Underwater technology ... 07047
Sulfur hexafluoride, Circuit breakers, Voltage ... 08192
Superconductors, Generators, Winding, Testing ... 08343
Surface acoustic waves, Filters, Transducers, Modeling ... 05120
Switchgear, Voltage, Safety ... 08191
Switching, Capacitors, Filters, Theoretical analysis ... 07139
Tapers, Frequency, Reflection, Electromagnetics ... 06423
Telephones, Networks, Optics, Communications, Multiplexing ... 07763
Telescopes, Optical systems, Fabrication, Space Shuttle ... 00879
Testing, Nickel, Cadmium, Batteries, Energy storage components ... 06652
Thermometers, Cerous magnesium nitrate, Thermal variables measurement ... 00253
Thermometers, Thermal variables measurement ... 00248
Thermometers, Thermal variables measurement ... 06718
Thin films, Electrodes, Fabrication, Solar cells, CdS/CdTe ... 07282
TOW, Weapons, Military engineering, Image processing ... 00502
Tracking, Performance, Estimation, Control systems ... 06286
Transcoders, Metering, Channels, Integrated circuits ... 08782
Transformers, Manufacturing, Economics, Reliability, Service life ... 04910
Transmission lines, Conductors, Theoretical analysis ... 09095
Transmission lines, Relays, Protection ... 06597
Traveling waves, Antennae, Microstrips, Bandwidths ... 08108
Trunking, Optimization, Satellite communications ... 03004
Turbines, Rotors, Magnetics, Hydroelectric power generation ... 08165
Underwater technology, Sonar, Unmanned vehicles, Telemetry ... 07044
VDMOS, Breakdown, Voltage, Fabrication ... 09242
Voltage, Controllers, Thyristors ... 08201
Voltage dividers, Computer aided analysis ... 08206
Voltage, Regulation, Costs, Linear programming ... 08245
X-rays, Metals, Ceramics, Electrodes, Rotalix ... 06742

Desktop systems,
Computer programs, Simulation, Flow, Measurement ... 03534
Data communications, Networks, Microprocessors, Value added networks ... 07830
Hydroelectric power generation, Pumps, Storage, Computer programs, Simulation ... 01702
Local area networks, Data transmission, Data bases, Mainframes, Economics ... 03170
Plug compatibility, Instrumentation, Electric variables measurement ... 05141

Detection,
Algorithms, Image processing, Computed tomography, Minicomputers ... 06996
Ballistics, Missiles, Radar, Satellite communications, USSR ... 03104
Channels, Current voltage, Amplitude, Frequency, Pulses ... 05167
Computer programs, Minicomputers, Failure, Guidance and control systems ... 06283
Defects, Impedance, Electric fields, Solenoids ... 08447
Fiber optics, Lasers, Signal transmission, Phase shift keying, Monomode links ... 04557
Filtering, Color, Optical communications, Pattern recognition, Identification ... 07904
Filters, Signal processing, Noise, Error, Covariance ... 03805

Detection, (continued)
- Frequency, Adaptive control, Signals, Acoustics ... 01996
- Gaussian processes, Filters ... 06391
- Image processing, Biomedical engineering, Signal to noise ratio, Radiation ... 06997
- Image processing, Quality control, Edges, Segmentation, Performance ... 05715
- Logic circuits, Design, Switching, Functions, Dissertation ... 02804
- Modulation, Demodulation, Frequency, Signal processing, Algorithms ... 07985
- Modulation, Minimization, Vertices, Algorithms, Numerical analysis ... 06392
- Noise, Modeling, Approximations, Optimization, Numerical analysis ... 06312
- Noise, Signal processing, Data structure, Performance, Dissertation ... 09526
- Noise, Signal processing, Modeling, Density functions, Probability ... 06309
- Optical communications, Channels, Signal processing, Modulation, Pulses ... 09557
- Parameter estimation, Identification, Power plants, Metering, Data transmission ... 05018
- Phase locked loops, Noise, Approximations, Signal processing ... 06344
- Phase shift keying, Signal processing, Frequency, Modulation, Performance ... 07987
- Probability, Coherence, Signal processing, Sonar ... 03109
- Probability, Signal processing, Radar ... 06393
- Radiometers, Optical communications, Noise, Impedance, Amplifiers ... 01320
- Reverberation, Sonar, Receivers ... 03111
- Satellite communications, Phase shift keying, Signal processing, Error ... 07975
- Scanners, Radar, Performance ... 03099
- Schottky diodes, Fabrication, Sensors, Optics, Dynamics ... 07267
- Sensors, Signal processing, Estimation, Bias, Performance ... 05101
- Signal processing, Error, Delay, Filters, Frequency ... 03192
- Signal processing, Frequency, Input output, Delay ... 01545
- Signal processing, Noise, Estimation ... 06313
- Signal processing, Poisson processes, Functions, Problem solving, Protocols ... 06335
- Signal processing, Receivers, Noise, Underwater technology, Dissertation ... 09527
- Signal processing, Robustness, Metrics, Coding, Channels ... 03127
- Signal processing, Speech recognition, Automation, Adaptive control ... 01478
- Signal processing, Underwater technology, Noise, Arrays, Processors ... 03133
- Signal to noise ratio, Probability, Functions, Stochastic processes ... 03119
- Sonar, Remote sensing, Modeling, Acoustics ... 06308
- Targets, Filters, Algorithms, Image processing, Numerical analysis ... 05705

Detectors,
- Acoustics, Transducers, Cryogenics, Liquid helium ... 09139
- Amplifiers, Materials planning and control, Wavelengths, Fiber optics ... 01375
- Approximations, Nonlinearity ... 00391
- Cadmium mercury telluride, Voltage, Recombination, Numerical analysis ... 05143
- Charge carriers, Lifetimes, Diffusion, Degradation ... 08409
- Chemical variables measurement, Acoustooptics ... 03974
- Circuitry, Nega-binary sign detectors ... 03826
- Connectors, Contacts, Design, Microwaves ... 05561
- Cosmic rays, Infrared, Astronomy ... 00576
- Design, Ion implantation, Magnetics, Domains ... 05816
- Design, Phase locked loops, Signal processing ... 07917
- Electromagnetic waves, Radioastronomy, Interferometry, Millimeter waves ... 04710
- Electromagnetic waves, Transmission lines, Voltage, Relays, Protection ... 01718
- Far infrared, Bolometers, Bismuth, Antennae, Thermal variables control ... 09065
- Far infrared, Image processing, Antennae, Optical systems, Dissertation ... 06734
- Far infrared, Lasers, Germanium, Photoconductors, Doping ... 00765
- Far infrared, Photoconductors, Video systems, Noise, Oscillators ... 03919
- Far infrared, Planar processes, Pyroelectric devices ... 01900
- Far infrared, Pyroelectricity, Power, Measurement, Calibration ... 06737
- Flux, Nuclear reactors, Automatic control, Microcomputers ... 04989
- Fourier transforms, Spectrometers, Signal to noise ratio ... 08437
- Gain, Resolution, Noise, Scintillation ... 05159
- Gamma radiation, Calibration, Germanium ... 06746
- Gamma radiation, Monitoring, Portability ... 05164
- Gamma radiation, Photomultipliers, Amplitude, Resolution ... 05156
- Gamma radiation, Resonance, Spectral analysis, Electrons ... 06747
- Gyroscopes, Solenoids, Gravitation, General relativity, Lenz law ... 06841
- Image processing, Satellites, Performance ... 05060
- Imaging, Technology, Cherenkov detectors ... 05153
- Infrared, Glass, Cryostats, Thermal variables measurement ... 01905
- Infrared, Image processing, Pattern recognition, Weapons ... 06988
- Infrared, Lasers, Electromagnetics, Coupling ... 07366
- Infrared, Lead telluride, Schottky diodes, Thermal variables measurement ... 04384
- Infrared, Photoconductivity, Crystal growth ... 02489
- Infrared, Photoionization, Petrochemical industry, Hydrocarbon processing ... 00277
- Infrared, Semiconductor lasers, Photodiodes, Dissertation, InGaAsP/InP ... 02595
- Infrared, Sensors, Research and development, Heat transfer, Buildings ... 03450
- Infrared, Thin films, Bolometers, Thermal conductivity ... 05051
- Light, Circuitry, Couplers, Negative resistance ... 08921
- Linear accelerators, Superconductivity, Solenoids ... 04129
- Luminescence, Emission spectra, Spectroscopy ... 01936
- Maximum likelihood estimation, Random processes, Arrays ... 08373
- Microwaves, Mixers, Tunnel junctions, Superconductivity ... 04066
- Microwaves, Spectral analysis, Scattering, Signal processing ... 06465
- Millimeter waves, Mixers, Fabrication, Niobium carbonitride, Films ... 05796
- Mixers, BARITT diodes, Millimeter waves, Dissertation ... 01147
- Modulators, Noise, Oscillators, Amplifiers ... 00988
- Neutron diffraction, Scattering, Laboratories, Weapons ... 05155
- Noise, Amplifiers, Cameras, Infrared, Cryogenics ... 01907
- Nuclear energy, Radiation, Sensitivity ... 08509
- Optical analysis, Integrated circuits, Striplines, Heterostructure lasers ... 00989
- Oscillators, Transmitters, Signal processing, Gas lasers ... 00972
- Particle detectors, Signals, Crosstalk, Impedance, Capacitance ... 06890
- Phase shifts, Phase locked loops, Numerical analysis, Frequency ... 00704
- Photoconductivity, Performance, Mercury cadmium telluride, Coatings ... 05592
- Photoconductivity, Silicon, Impurities, Lifetimes ... 05594
- Photoconductors, Gallium arsenide, Surface properties, Fiber optics ... 03921
- Photodiodes, Spectral analysis, Dissertation, Atomic absorption spectrometry ... 08869
- Photodiodes, Spectrometers, Microprocessors, Calibration ... 02490
- Photodiodes, X-ray diffraction, Metering, Voltage, Pulse generation ... 08862
- Plasmas, Magnetosphere, Satellites, Spacelab ... 00490

Detectors, (continued)
- Polarization, Radar, Statistical analysis ... 01
- Polarization, Radio frequency, Radioastronomy, Pulse generation ... 03
- Power supply, Ports, Schottky diodes ... 05
- Pulse generation, Discharges, Pollution control, Microwaves, Dissertation ... 01
- Radar, Space technology, Underwater technology, Military ... 07
- Radiation, Masks, Fabrication ... 06
- Radiation, Muons, Underwater technology ... 06
- Radiation, Research and development ... 05
- Radiation, Semiconductors, Cooling systems, Charged particles, Space technology ... 06
- Radiation, Thin films, Infrared, Photodevices ... 00
- Radiometers, Pyroelectricity, Infrared, Radiation ... 06
- Research and development, Photons, Photomultipliers ... 03
- Schottky diodes, Calibration, Microwaves, Networks ... 06
- Scintillation, Photodiodes, Imaging, Resolution ... 05
- Semiconductor lasers, Waveguides, Integrated circuits, Etching ... 04
- Semiconductors, Pulse generation, Current voltage, Waveforms ... 02
- Sensors, Lead, Salts, Performance ... 06
- Signal to noise ratio, Frequency, Multiplexing, Image processing ... 05
- Signal to noise ratio, Quartz, Metrology, Voltage ... 00
- Thermal variables measurement, Amplifiers, Bridges, Resistance ... 08
- Transmission lines, Current, Power systems, Transformers ... 08
- Ultraviolet, Satellites, Image processing ... 05
- Underwater technology, Submarines, Position control, Buoys, Sonar ... 04
- Vacuum technology, Crystal growth, Indium antimonide, Infrared ... 01
- Video systems, Schottky diodes, Far infrared, Voltage ... 07

Deuterium oxide,
- Lasers, Pulse generation, Ions, Plasmas ... 01

Developing countries,
- Data transmission, Flow, Government policies, Resource management, Economics ... 04
- Radio communications, Information services, Nicaragua, Research and development ... 04
- Technology, Satellites, Remote sensing ... 02
- Telecommunications, Planning, Modeling, Government policies, Dissertation ... 06

Diagnostics,
- Biomedical engineering, Ultrasonics, Signal to noise ratio, Image processing ... 00
- Circuitry, Modeling, Functions ... 00
- Communication networks, Management information systems, Telephones, Modems ... 02
- Computed tomography, Scanners, Kalman filters, Covariance, Dissertation ... 06
- Data transmission, Communication networks, Control, Case studies ... 03
- Diseases, Ultrasonics, Fluoroscopy, Diaphragmatic paralysis ... 08
- Dispersion, Multiple sclerosis, Biomedical engineering ... 02
- Image processing, Three dimensionality, Displays, Scanners, Radiology ... 00
- Imaging, Nuclear medicine ... 00
- Internal combustion engines, Mechanical defects, Acoustic emissions ... 01
- Lasers, Diseases, Blood ... 07
- Mathematical models, Microelectronics, Circuitry, Conductance, Controllers ... 01
- Radiology, Respiratory system, Asbestosis, Computed tomography ... 08
- Toxicity, Density, Respiratory system, Radiation, Computed tomography ... 02
- Ultrasonics, Liver, Beta radiation, Image processing ... 06
- Vision, Sensitivity, Image processing, Psychophysiology, Radiology ... 05

Diamond tools,
- Turning, Optical devices, Process development ... 02

Dielectric constants,
- Electric fields, Two phase flow, Phase transitions, Composite materials ... 04
- Electromagnetic waves, Plane waves, Scattering, Dissertation ... 03
- Films, Polymers, Insulators ... 026
- Heterojunctions, Diodes, Liquid phase epitaxy, P·ZnSnAs$_2$/n·ZnSe ... 039
- Heterostructure lasers, Current density, Refractive indices ... 074
- Image processing, Numerical analysis ... 026
- Image processing, Xerographics, Bonding, Photoreceptors ... 011
- Lithium sodium germanate, Ferroelectric crystals, Crystal growth, Temperature ... 043
- Materials planning and control, Superconductors, Signal processing ... 047
- Metal insulator semiconductors, Capacitors, Borazone, Diamond, Voltage ... 043
- Microstrips, Antennae, Striplines ... 048
- Microwaves, Oil, Water pollution, Remote sensing ... 034
- Numerical analysis, Frequency, Antennae, Wave propagation ... 091
- Plasmas, Phase shifts, Waveguides ... 074
- Resonators, Electrical conductivity, Frequency ... 043
- Scattering, Electromagnetic fields, Cylinders, Electrical conductivity ... 032
- Semiconductors, Polarization, Polymers, Dissertation ... 091
- Waveguides, Image processing, Diffraction gratings, Filters ... 037
- Waveguides, Infrared, Light transmission, Coatings ... 026
- Waveguides, Millimeter waves, Integrated circuits, Wave propagation ... 010

Dielectric permittivity,
- Electrical conductivity, Bones, Impedance, Frequency ... 070
- Materials planning and control, Capacitors, Castor oil, Polypropylene ... 011
- Millimeter waves, Fluid dynamics, Wave propagation ... 010
- Ports, Data collection, Measurement errors ... 010
- Radio frequency, Conductivity, Microwaves, Frequency, Neurology ... 005
- Transformers, Oil, Discharges, Voltage, Lightning ... 017
- Trapping, Electromagnetic waves, Tilt measurement, Wave propagation ... 016

Dielectricity,
- Aluminum, Capacitors, Electrochemistry, Current voltage, Leakage current ... 043
- Beryllium oxide, Ceramics, Millimeter waves, Refractive indices, Absorption ... 075
- Breakdown, Magnesium oxide, Thin films, Capacitors ... 039
- Cables, Insulators, Transmission lines ... 007
- Dipoles, Far infrared, Absorption, Hydrogen chloride, Deuterium chloride ... 075
- Electric power transmission, Insulators, Energy loss ... 065
- Epoxy resins, Electrodes, Discharges, Surface properties ... 011
- Ferroelectric crystals, Phase transitions, Ultrasonics, Attenuation ... 035
- Fluoride, Bridges, Circuitry, Modeling ... 011
- Frequency, Scattering, Diffraction, Modeling ... 048
- Integral equations, Diffraction, Conductors ... 032
- Lead titanate zirconate, Ceramics, Piezoelectricity, Temperature ... 026
- Lenses, Fabrication, Antennae, Multiplexing ... 065
- Metal oxide semiconductors, Capacitance voltage, Ion implantation, Silicon ... 059

ectricity, (continued)
crostrips, Antennae, Ferromagnets, Resonance ... 06499
limeter waves, Fourier transforms, Spectroscopy, Refractive indices ... 03561
llimeter waves, Interferometers, Optical analysis, Materials testing ... 03487
obates, Ceramics, Anisotropy ... 05885
rmittivity, Frequency, Epoxy resins, Doping, Metals ... 07533
otoelectric effect, Microwaves, Bridges, Semiconductors ... 00806
attering, Absorption, Electromagnetic waves, Wave propagation ... 06432
ermal variables measurement, Apertures, Microwaves, Boron nitride ... 00039
aveguides, Antennae, Millimeter waves ... 03247
aveguides, Gunn oscillators, Image processing ... 05533
ectrics,
arium titanate, Ceramics, Microwaves, Resonators ... 04832
polar transistors, Microwaves, Resonators, Oscillation ... 02654
eakdown, Alkanes, Insulators, Photography ... 06582
ubble memory, Optical storage, Recording systems ... 01506
ables, Extrusion, Service life, Moisture control ... 08849
alibration, Reflectometry, Time measurement, Striplines ... 01100
apacitance, Transmission lines, Coaxial cables ... 04303
oatings, Current voltage, Schottky diodes, Temperature, Barrier heights ... 09173
oatings, Waveguides, Resonators, Antennae ... 04358
oaxial cables, Resonators, Impedance, Microelectronics ... 00050
orrosion resistance, Thermal variables control, Printed circuit boards ... 04361
eformation, Shock waves, Wave propagation, Differential equations ... 05886
iscontinuities, Scattering, Surface acoustic waves, Waveguides ... 04315
isplays, Electroluminescence, Thin films, Zinc sulfide ... 03957
lectric fields, Cells, Waveguides, Microwaves ... 06455
lectric fields, Magnetic fields, Surface properties, Antennae ... 08452
lectromagnetic waves, Scattering, Wave propagation, Numerical analysis ... 06435
lectromagnetics, Wave propagation, Medical electronics ... 08044
xtrusion, Cables, Quality control ... 01752
abrication, JMOS, Transistors, Performance ... 09250
iber optics, Cladding, Numerical analysis ... 05889
ilters, Microwaves, Tuning, Frequency ... 08087
low of gases, Frequency, Resonators, Automatic testing ... 01098
luidics, Transformers, Materials planning and control ... 00090
requency, Electromagnetic waves, Wave propagation, Plasmas ... 06447
eating systems, Microwaves, Radio frequency, Cost benefit analysis ... 01027
maging, Electromagnetic fields ... 08030
tegrated circuits, Amplifiers, Receivers, Satellite communications ... 03850
tegrated circuits, Millimeter waves, Microwaves, Resonators, Gallium arsenide ... 04325
tegrated circuits, Waveguides, Radiation, Fabrication, Testing ... 04313
nterfaces, Electromagnetics, Wave propagation, Transmission lines ... 08040
nterfaces, Switching, Refractive indices, Optics ... 05890
enses, Antennae, Shaping ... 04846
Measurement, Circuitry, Coaxial cables, Parameter estimation ... 04305
Measurement, Electrodes, Discharges, Voltage ... 09177
Measurement, Transmission lines, Numerical analysis ... 09171
Metal oxide semiconductors, Noise, Voltage, Tunneling ... 07611
Microstrips, Frequency, Impedance, Millimeter waves, Numerical analysis ... 09100
Microwaves, Frequency, Resonance ... 00037
Modeling, Electromagnetics, Scattering ... 04807
Optical analysis, Spectral analysis, Microwaves, Phase transitions ... 01101
Permittivity, Resonators, Measurement, Optimization ... 08078
Permittivity, Resonators, Millimeter waves, Thermal variables measurement ... 09128
Polarization, Electrets, Transducers, Voltage ... 07501
Polyvinylidene fluoride, Capacitors, Discharges, Lifetimes ... 03899
Radio frequency, Hematology ... 00528
Reflection, Frequency, Insulators, Fault detection ... 07537
Reflection, Radar, Resonance, Scattering ... 01529
Resonance, Microwaves, Paper, Moisture measurement ... 05884
Resonators, Design, Microwaves, Integrated circuits ... 01064
Resonators, Frequency, Numerical analysis ... 08075
Resonators, Frequency, Radiation, Rotating bodies ... 03242
Resonators, Frequency, Resonance ... 01062
Resonators, Gallium arsenide, Field effect transistors, Oscillators ... 07493
Resonators, Oscillators, Gallium arsenide, Field effect transistors ... 02652
Resonators, Permittivity ... 08089
Resonators, Spectral analysis, Polarization, Oscillation ... 04326
Scattering, Waveguides ... 04316
Sensors, Pressure measurement, Impact testing ... 01081
Silicon, Diodes, Short circuits, Testing, Electrophotography ... 05882
Spacecraft, Magnetic fields, Atmospheric conditions, Electrostatics, Discharges ... 02110
Stability, Metal oxide semiconductors, Field effect transistors, Oscillators ... 02441
Standards, Voltage, Capacitors, Ceramics ... 03898
Surface properties, Lasers, Irradiation, Defects ... 07536
Surface properties, Spacecraft, Thermal insulation, Discharges ... 01103
Thermal variables measurement, Integrated circuits, Microelectronics, Probes ... 02791
Transmission lines, Conductors, Dissipation ... 08062
Transmission lines, Insulators, Fault detection, Current ... 08198
Transmission lines, Superconductivity, Magnetic fields, Current, Inductance ... 04279
Waveguides, Band pass filters, Band stop filters, Frequency ... 07485
Waveguides, Couplers, Interferometers ... 05888
Waveguides, Coupling, Horn antennae, Dissertation ... 06500
Waveguides, Cyclotrons, Amplifiers, Electron beams ... 07199
Waveguides, Design, Optimization, Radiation loss, Volume current method ... 07491
Waveguides, Fabrication, Titanium dioxide, Silicon dioxide, Films ... 05887
Waveguides, Fiber optics, Wave propagation ... 00025
Waveguides, Filters, Transmission lines ... 09110
Waveguides, Four wave mixing, Cross sectional measurement, Indium antimonide ... 09107
Waveguides, Frequency, Loading, Resonators, Numerical analysis ... 03241
Waveguides, Interferometers, Modulation, Switching, Millimeter waves ... 04833
Waveguides, Lenses, Chirp, Perturbation ... 07489
Waveguides, Millimeter waves, Antennae, Dissertation ... 06491
Waveguides, Millimeter waves, Design, Integrated circuits, Reliability ... 01047
Waveguides, Millimeter waves, Integrated circuits, Fabrication ... 04318

Dielectrics, (continued)
Waveguides, Phase shifts, Impedance, Computer aided design ... 07490
Waveguides, Reflection, Attenuation, Wave propagation ... 09122
Waveguides, Resonators, Coupling, Theoretical analysis ... 07492
Waveguides, Semiconductor lasers, Optical analysis, Perturbation ... 04013
Diesel engines,
Automotive engineering, Rotating bodies, Computer aided control, Microcomputers ... 02334
Batteries, Energy storage components, Solar energy, Computer aided analysis ... 00202
Electric power generation, Wind turbines, Generators, Performance ... 04893
Exhaust gases, Combustion products, Electrostatic precipitators ... 03263
Robots, Programming, Computer aided manufacturing, Productivity, Assembling ... 02026
Turbines, Wind energy, Fuel efficiency, Energy conservation ... 00146
Diffraction,
Absorption, Surface properties, Lasers, Pulse generation ... 00918
Acoustic waves, Impedance, Scattering, Dissertation ... 08477
Antennae, Radiation, Arrays, Algorithms, Dissertation ... 01650
Electric fields, Optical analysis, Maggi-Rubinowicz method ... 01623
Electromagnetic waves, Seismology, Tomography, X-rays ... 03701
Electromagnetic waves, Wave propagation, Numerical analysis, Dissertation ... 00019
Electromagnetic waves, Wave propagation, Waveguides, Computer aided analysis ... 06415
Electromagnetics, Acoustics, Control systems, Coherence, Wave propagation ... 00823
Electromagnetics, Error, Numerical analysis ... 01604
Electromagnetics, Holography, Phase conjugation, Numerical analysis ... 00882
Electromagnetics, Lattices, Modulation, Coding, Dissertation ... 08005
Electromagnetics, Wave propagation, Current ... 08017
Electromagnetics, Wave propagation, Cylindrical antennae, Frequency ... 08095
Electromagnetics, Wave propagation, Plasmas, Numerical analysis ... 08060
Electromagnetics, Wave propagation, Radar ... 08014
Electromagnetics, Wave propagation, Theoretical analysis ... 06431
Electromagnetics, Waves, Partial differential equations ... 08038
Electromagnetics, Waves, Spheroids, Boundary value problems ... 04802
Geometry, Collimation, Phases, Horn antennae ... 04813
Heuristics, Geometry, Radios, Fresnel volumes, Numerical analysis ... 00007
Image processing, Filters, Amplitude, Numerical analysis ... 05732
Image processing, X-rays, Microscopy, Fresnel zone plates ... 08952
Integral equations, Dielectricity, Conductors, Electromagnetics ... 03202
Lasers, Beam propagation, Pattern recognition, Waveguides ... 00908
Light, Ultrasonics, Anisotropy, Integral equations ... 06855
Mirrors, Resonators, Apertures, Lasers ... 09127
Modeling, Dielectricity, Frequency, Scattering ... 04817
Neutron diffraction, Detectors, Laboratories, Weapons, Research and development ... 05155
Noise, Holography, Reflection, Triethanolamine, Emulsions ... 04040
Numerical analysis, Optics, Harmonics, Cutting ... 00867
Optics, Harmonics, Liquid crystals, Electric fields ... 08958
Optics, Resonators, Lasers ... 07422
Optics, Signal processing, Coding, Fourier analysis, Dissertation ... 05662
Photons, Lasers, Statistical analysis, Photomultipliers ... 07255
Radio waves, Wave propagation ... 08018
Reflectors, Optical analysis, Numerical analysis ... 08132
Scattering, Impedance, Wave propagation ... 01611
Spectrometers, X-rays, Fluorescence, Excitation, Protons ... 05061
Thermodynamics, Sprays, Lasers, Cross sectional measurement, Distributions ... 05126
Tomography, Microwave devices, Biomedical engineering, Methodology ... 05291
Transducers, Pulses, Echo ... 08486
Wave propagation, Acoustics, Numerical analysis, Dissertation ... 03505
Wave propagation, Electromagnetic waves, Plasmas, Cross sectional measurement ... 06450
Wave propagation, Holography, Recording systems, Polarization, Optics ... 09044
Waves, Geometry, Theorem proving, Series expansion, Numerical analysis ... 06404
X-rays, Crystal growth, Electrooptics, Materials testing ... 02542
X-rays, Spectral analysis, Superconductors, Superlattices, Sputtering ... 07445
X-rays, Transition metals, Electrical conductivity, Oxidation, Thermogravimetry ... 06880
Diffraction gratings,
Cameras, Collimators, Spectrometers ... 00307
Etching, Silicon, Waveguides, Optics ... 07336
Fabrication, Ion beams, Etching, Lithium niobate, Niobium oxide ... 09119
Filters, Infrared, Millimeter waves, Lasers, Couplers ... 06469
Holography, Electrooptics, Crystals, Numerical analysis ... 05779
Image processing, Interferometry, Optics, Aberrations ... 07362
Image processing, Waveguides, Dielectric constants, Filters ... 03779
Interferometry, Image processing, Dissertation ... 00900
Interferometry, Moire patterns, Pattern recognition, Optics ... 08947
Lasers, Photodevices, Spectroscopy, Four wave mixing, Dissertation ... 01940
Modulation, Coding, Optical analysis ... 00880
Waveguides, Phase shifts, Modes, Filters ... 01043
Diffractometers,
Neutrons, Diffraction, Resolution, Nuclear reactors, Particle detectors ... 01893
Diffusion,
Annealing, Thin films, Solar cells, CdS/Cu_2S ... 00792
Bipolar transistors, Current voltage, Emitters, Doping, Electrical conductivity ... 07568
Carburizing, Computer aided manufacturing, Automation, Loops, Modeling ... 02064
Charge carriers, Semiconductors, Schottky diodes, Irradiation ... 04388
Charge carriers, Silicon, Leakage current, Diodes ... 04380
Electric power generation, Magnetic variables control, Dynamics, Velocity ... 08289
Electrochemistry, Porosity, Electrodes ... 01799
Electrons, Thin films, Monte Carlo method, Modeling, Dissertation ... 01248
Fiber optics, Fabrication, Integrated circuits ... 04570
Field effect transistors, Metal oxide semiconductors, Charge carriers, Voltage ... 01213
Flames, Turbulence, Thermal variables measurement, Jets ... 03420
Gallium arsenide, Fabrication, Pn junctions, Solar cells ... 03945
Gallium phosphide, Light emitting diodes, Visible range, Electroluminescence ... 03961
Hamiltonians, Modeling, Dynamics, Oscillation, Power systems ... 08251
Interfaces, Metal oxide semiconductors, Integrated circuits ... 01253
Iron, Gallium arsenide, Crystal defects, Pressure ... 08505
Lasers, Pumping, Solar energy, Kinetics, Iodine ... 08982
Lifetimes, Charge carriers, Degradation, Detectors ... 08409
Limiters, Noise, Field effect transistors, Semiconductors ... 02757

Diffusion, (continued)
Materials planning and control, Silicon dioxide, Solar energy, Fuel cells 00203
Mercury bromide, Lasers, Spectral analysis, Discharges 07357
Noise, MESFET, Transistors, Gallium arsenide 07607
Photodevices, Diodes, Current 00773
Photodiodes, Image processing, Signal processing, Arrays, Oxygen 00774
Pn junctions, Emitters, Recombination, Surface properties, Doping 04377
Pn junctions, Solar cells, Photovoltaics, Recombination, Gallium arsenide 03946
Polysilicon, Grain boundaries, Recombination, Scanning electron microscopy 03558
Polysilicon, Transport properties, Current voltage, Current density 05901
Schottky diodes, Charge carriers, Metal insulator semiconductors, Solar cells 00783
Silicon nitride, Film growth, Sputtering, Dissertation 07602
Solar cells, Charge carriers, Surface properties, Transport properties 07287
Solar cells, Surface properties, Recombination, Velocity 02513
Solar energy, Radiation, Meteorology 00579
Stress, Silicon, Solar cells, Open circuit voltage 08339
Thermal variables measurement, Failure, Current voltage, Thyristors 06769
Titanium, Lithium niobate, Waveguides, Fabrication 01052
Titanium, Lithium niobate, Waveguides, Performance, Optics 05825
Transistors, Junctions, Fabrication, Planar processes, InGaAsP/InP 09239
Transmission lines, Materials planning and control, Superconductors 04275
Tungsten, Noble gases, Optical systems 03958
Tungsten, Transport properties, Halogens, Lamps 03960
Voltage, Glow discharge, Electrons, Thermal variables measurement 01917
Digital to analog conversion,
Signal processing, Microprocessors, Sensors, Frequency, Radiation 06735
Digital to analog converters,
Amplifiers, Signal to noise ratio 05520
Bipolar devices, Delay, Velocity, Research and development 07217
Calorimetry, Thermal variables control, Electromagnetic waves, Power 06776
Fabrication, Amplifiers, Thermal variables control 03848
Integrated circuits, Voltage 05544
Microprocessors, Analog systems, Digital systems 02316
Optoelectronics, Logic circuits, Research and development 08907
Signal processing, Residue Number System 03876
Signals, Frequency shift keying, Modulation, Filters 06325
Digitizing,
Cross sectional measurement, Signal processing, Plasmas, Electromagnetic waves 03226
Image processing, Radiography, Contrast 00843
Lasers, Raster displays, Reproduction (copying), Office automation 02605
Mapping, Signal processing, Speech recognition 01484
Mechanical variables measurement, Shock measurement, Oscilloscopes 01886
Pattern recognition, Cell texturing, Image processing, Helicopters, Training 03635
Pattern recognition, Sensors, Robots, Welding, Nondestructive testing 02020
Technology, Facsimile systems, Telecommunications 09426
Telecommunications, Data transmission, Switching, Speech synthesis 04647
Telemetry, Image processing, Meteorology, Satellites, Infrared, Calibration 03710
Dilatometers,
Thermal expansion, Modulation, Interferometry, Recording systems 08380
Diodes,
Antennae, Phase shifts, Bandwidths 04844
Arrays, Memory, Optical storage, Recording systems, Lasers 09041
Breakdown, Surface properties, Chemical variables measurement 02707
Cadmium sulfide, Thin films, Ytterbium oxide, Insulators 05958
Cameras, Color, Signal processing, Lenses, Circuitry 02917
Capacitors, Modeling, Decomposition, Nonlinear circuit theory 07156
Carrier waves, Thresholds, Heterostructure lasers, Semiconductor lasers 00960
Circuitry, Bifurcation, Current voltage, Junctions, Computer aided analysis 08772
Circuitry, Communication networks, Modulation, Attenuation, Volterra series 08774
Circuitry, Voltage, Resistors, Inductors, Simulation 07184
Current, Photodevices, Diffusion 00773
Current voltage, Microwaves, Electrical resistivity, Waveguides 03245
Electron beams, Generators, Accelerators, Impedance 06899
Electron guns, Voltage, Current density, Camera tubes 08870
Energy conversion, Thermionic emissions, Photovoltaics, Cells 08333
Fabrication, Mirrors, Semiconductor lasers, Photodetectors, Dissertation 00808
Gallium arsenide, Conductance, Carrier density, Noise 09192
Gallium arsenide, Current voltage, Electrons, Irradiation, Temperature 01141
Gallium arsenide, Doping, Manganese, Iron, Current voltage 08422
Gallium arsenide, IMPATT, Simulation 02700
Heterostructure lasers, Current density, Coupling, Integrated optics 07371
Heterostructures, Temperature, Spectral analysis, PbTe/Pb$_{1-x}$Sn$_x$Te 02684
IMPATT diodes, Computer aided analysis, Current, Charge carriers 04379
IMPATT diodes, Gallium arsenide, Doping, Optimization 05909
IMPATT diodes, Gallium arsenide, Millimeter waves, Transport properties 04375
IMPATT diodes, Semiconductors, Heterojunctions, Millimeter waves 05906
IMPATT, Heterojunctions, Computer simulation, GaInAs/InP 01129
Indium phosphide, Charge carriers, Electric fields, Computer aided analysis 05895
Indium phosphide, Current voltage, Photoelectric effect, Au/n-InP:Fe 07546
Indium phosphide, Pn junctions, Fabrication, Ion bombardment, Epitaxial growth 07549
Infrared, Transmitters, Modulation, Electrooptics, Gallium arsenide 08919
Integrals, Magnetic variables measurement, Statistical analysis 07538
Ions, Electron beams, Fusion 04368
Josephson junctions, Tunneling, Fabrication, Current density 01014
Junction diodes, Circuitry, Microwaves, Power systems 00048
Laser diodes, Fiber optics, Light, Amplification 08978
Laser diodes, Optical communications, Fiber optics, Performance, InGaAsP/InP 09367
Lasers, Coupling, Lenses, Fiber optics 09359
Lasers, Gallium arsenide, Optical communications, Reliability 09331
Lasers, Liquid phase epitaxy, Indium gallium arsenic phosphide 09000
Liquid phase epitaxy, Current voltage, Optical properties, Dielectric constants 03926
Magnetic fields, Insulators, Ions, Pulse generation, Dissertation 00263
Magnetic fields, Transmission lines, Accelerators, Coupling, Dissertation 07473
Metal oxide semiconductors, Indium phosphide, Vapor phase epitaxy, Capacitance 01134
Metal oxide semiconductors, Logic circuits, Current, Channels 01157
Metals, Semiconductors, Current voltage, Contacts, Barrier heights 07542
Diodes, (continued)
Mixers, Fabrication, Gallium arsenide, Liquid phase epitaxy, Planar processes 0754
Mixers, Striplines, Signal processing, Capacitance voltage 0645
Modeling, Millimeter waves, Circuitry, Transport equations, Energy conservation 0590
Noise, Magnetics, Sensors, Degradation, Temperature 0591
Nonlinearity, Loading, Impedance, Oscillators 0244
Pattern recognition, Computer graphics, Optics, Packaging 0253
Photodevices, Current, Pulse generation, Velocity, Electric fields 0249
Pin diodes, Current voltage, Injection, Charge carriers, Lifetimes 0754
Pin diodes, Thin films, Transistors, Amplifiers, Frequency 0880
Protective circuits, Circuit breakers, Switches, Safety systems 0438
Pulse generation, Ions, Magnetic fields 0111
Schottky barriers, Integrated circuits, Simulation, Gallium arsenide, Modeling 0114
Semiconductors, Charge carriers, Service life, Decay, Voltage 0268
Semiconductors, Fabrication, Electroluminescence 0111
Semiconductors, Lattices, Crystal defects, Capacitance, Measurement 0918
Semiconductors, Pulse generation, Voltage, Current 0754
Semiconductors, Transistors, Circuitry 0437
Signal processing, Acoustics, Wave propagation, Dissertation 0847
Signal transmission, Image processing, Mixers, Current voltage, Frequency 0325
Silicon, Dielectrics, Short circuits, Testing, Electrophotography 0588
Silicon, Ionization, Breakdown, Voltage 0908
Silicon, Leakage current, Charge carriers, Diffusion 0438
Silicon, Short circuits, Recombination 0727
Silicon, Space charge, Illumination, Degradation, Annealing 0590
Silicon, Transducers, Thermal variables measurement, Space charge 0837
Silicon, Transistors, Thermodynamics, Simulation, Transducers 0751
Silver selenide, Thin films, Evaporation, Film growth, Barrier heights 0438
Sputtering, Oxides, Charge density, Interfaces, Density of states 0919
Switches, Filters, Capacitance, Pn junctions 0269
Tellurium, Cadmium sulfide, Thin films, Fabrication, Current voltage 0591
Thyristors, Rectifiers, Power supply, Electrochemistry 0831
Tunnel junctions, Resonance, Superconductivity, Nb-Nb$_2$O$_5$ 0422
Tunneling, Transistors, Networks, Resistivity 0241
Varactors, Amplifiers, Tuning, Modulation, Receivers 0719
Voltage, Breakdown, Doping, Planar processes 0029
Dipole antennae,
Cylindrical antennae, Integral equations, Current, Impedance 0812
Frequency, Voltage, Optimization 0809
Impedance, Power, Radiation 0812
Radiation, Wavelengths 0810
Surface properties, Current, Electric fields 0810
Voltage, Receivers, Impedance 0811
Dipoles,
Antennae, Impedance, Scattering 0810
Antennae, Wave propagation, Image theory 0811
Atmospheric physics, Conductivity, Resonance 0160
Current, Magnetics, Computer aided analysis, Sommerfeld half-spece problem 0802
Electric fields, Probes, Antennae, Transmission lines 0845
Electrical conductivity, Image processing, Electromagnetic fields 0161
Electromagnetics, Wave propagation, Scattering, Computer aided analysis 0800
Magnetics, Frequency, Scattering, Antennae 0811
Neurophysiology, Current, Modeling, Generators, Simulation 0863
Semiconductor lasers, Quantum wells, Valence, GaInAs/InP 0896
Discharges,
Arcs, Phase transitions, Turbulent flow, Particles 0000
Breakdown, Insulators, Surface properties, Spark gaps 0109
Breakdown, Ionization, Potentials, Pressure, Spark gaps 05568
Cadmium, Excitation, Lasers, Pumping 05768
Capacity, Lead, Acids, Batteries 04976
Carbon dioxide, Absorption, Electric variables measurement, Electrochemistry 01801
Carbon dioxide, Gas lasers, Excitation, Pressure, Gain 07396
Corona, Current, Insulators, Sulfur fluoride, Switching 00722
Corona discharges, Ionization, Carbon dioxide, Gas lasers, Optimization 07402
Corona, Voltage, Transmission lines, Fault detection, Insulators 00100
Current, Electric fields, Magnetic fields, Time measurement 06835
Current, Insulators, Voltage, Surface properties 00716
Current, Pulse generation, Inductance, Waveforms 03865
Dielectrics, Surface properties, Spacecraft, Thermal insulation 01103
Electrochemistry, Graphite, Electrodes, Batteries 03337
Electrodes, Arcs, Vacuum technology, Current 09073
Electrodes, Corrosion, Current density, Ionization 09078
Electrodes, Dielectricity, Epoxy resins, Surface properties 01102
Electrodes, Gases, Pressure, Electrostatics, Stability 09076
Electron density, Cavities, Gas lasers, Carbon dioxide 00977
Electrooptics, Emissions, Films, Capacitors 03887
Electrostatics, Atmospheric conditions, Magnetic fields, Spacecraft 02110
Energy storage components, Conductivity, Fuel cells, Graphite 00173
Energy storage components, Fuel cells, Charge 01803
Excitation, Carbon dioxide, Gas lasers, Gain 07359
Fibers, Electrodes, Textile industry, Printers 01729
Gas lasers, Circuitry, Design, Optimization, Relays 08988
Gas lasers, Pumping, Electron beams, Control systems 08976
Gases, Transducers, Dosimetry, Avalanche 09156
Hollow cathodes, Iron, Argon 08857
Hollow cathodes, Radiation, Polarization 05811
Ionization, Helium, Spark chambers, Streamer theory 08511
Lasers, Cells, Electrodes, Optogalvanic spectroscopy 07348
Lasers, Excitation, Pulse generation 05765
Lead, Acids, Energy storage components, Computer aided analysis 03327
Lifetimes, Batteries, Nickel, Cadmium, Modeling 08297
Lifetimes, Polyvinylidene fluoride, Dielectrics, Capacitors 03899
Light, Emissions, Organic compounds, Insulators 05566
Luminescence, Displays, Automotive engineering 00624
Magnets, Superconductivity, Energy storage components, Energy conversion 04265
Mercury bromide, Lasers, Spectral analysis, Diffusion 07357

charges, (continued)
Polarization, Batteries, Current density 08305
Protective circuits, Electrodes, Spark gaps, Electrostatics, Pneumatic systems 03883
Pulse generation, Detectors, Pollution control, Microwaves, Dissertation 01941
Spark gaps, Automation, Computer aided control, Dissertation 09075
Spark gaps, Helium, Ionization, Electrodes 07460
Surface potential, Transient pulse monitor, Spacecraft, Charge 02108
Ultraviolet, Impedance, Spectral analysis, Insulators, Conductors, Explosions 01909
Voltage, Breakdown, Pressure, Rod-plane gaps 04935
Voltage, Electrodes, Dielectrics, Measurement 09177
Voltage, Fuel technology, Ignition, Transmission lines 00092
Voltage, Lightning, Oil, Transformers, Dielectric permittivity 01747
Voltage, Moisture measurement, Insulators, Switching, Spark gaps 01748
Voltage, Thermal insulation, Epoxy resins, Composite materials 00717
Zinc, Electrodes, Cells, Energy storage components 08303
crete time systems,
Linear systems, Stability, Testing 03606
Robustness, Filtering, Game theory 05472
Stochastic systems, Delay, Parameter estimation 03574
Transfer functions, Feedback, Control 05229
seases,
Clinical medicine, Ultrasonics, Image processing, Dissertation, Liver disease 08629
Diagnostics, Ultrasonics, Fluoroscopy, Diaphragmatic paralysis 08633
Lasers, Diagnostics, Blood 07424
k drives,
Floppy disks, Commerce, Forecasting 02309
Optical storage, Servomechanisms, Design, Performance, Actuators 08148
kettes,
Microcomputers, Magnetic storage 02308
ks,
Density, Optical storage, Materials testing 01495
Image processing, Semiconductor lasers, Optical storage 01501
Lasers, Cutting, Optical storage 01515
Lasers, Modeling, Error, Magnetic variables control, Standards 05860
Lasers, Optical storage, Cost benefit analysis 00891
Lenses, Design, Recording systems 01505
Magnetic storage, Manufacturing, Thin films, Research and development 02677
Magnetics, Recording systems, Coatings, Defects 05877
Materials testing, Sensitivity, Service life 01509
Optical storage, Classification, Performance 01517
Optical storage, Error correcting codes, Correction, Coding 01503
Optical storage, Gallium aluminum arsenide, Semiconductor lasers 01496
Optical storage, Lasers, Recording systems, Illumination 01516
Optical storage, Lenses, Image processing, Quality control 01504
Optical storage, Magnetooptics, Recording systems 01520
Optical storage, Memory, Gas lasers 00876
Optical storage, Memory, Records management 01493
Optical storage, Recording systems, Bubble memory 01508
Optical storage, Recording systems, Error, Diode lasers, Electrooptics 01491
Optical storage, Recording systems, Monitoring, Tracking 01500
Optical storage, Recording systems, Records management 01494
Optical storage, Recording systems, Tellurium oxide, Thin films 01338
Optical storage, Technology, Classification 01492
Optical storage, Thickness control, Protection, Cartridges, Dust 01518
Recording systems, Gain, Lasers, Actuators, Optical storage 01502
Simulation, Modulation, Sensitivity 01497
Thin films, Radios, Frequency, Density, Ferrites 05862
Thin films, Tellurium, Sensitivity, Stability 01510
Typesetting, Microprocessors, Computer programs, Text editing, Economics 02303
spersion,
Electromagnetic waves, Wave propagation, Surface properties 03224
Lasers, Theoretical analysis, Distributed feedback lasers 04002
Modes, Wave propagation, Fiber optics 01346
Wave propagation, Turbulence, Numerical analysis 00008
Waveguides, Electromagnetic waves, Helices, Frequency 01057
splacement,
Aircraft, Guidance and control systems, Stability, Energy, Numerical analysis 05254
Ballistics, Gallium arsenide, Simulation, Electrons, Numerical analysis 01109
Circuitry, Pulses, Measurement, Transducers, Direction sensing 02403
Insulators, Springs, Contacts, Finite element method 05128
Integrated circuits, Stability, Numerical analysis 04464
Nondestructive testing, Acoustics, Crack propagation 00343
Optical analysis, Image processing, Speckle 00887
Quantization, Filters, Algorithms, Matrices, Signal processing 02367
Vibration, Remote sensing, Interferometry, Fiber optics, Dissertation 00886
splays,
Acoustics, Image processing, Holography, Fourier transforms, Scanners 03531
Aerospace simulation, Helicopters, Military engineering 05248
Aircraft engineering, Software development, Microprocessors 06958
Aircraft, Guidance and control systems, Technology, Research and development 05249
Alarm systems, Computer aided control, Meteorology, Drilling, Ice 00586
Alphanumerics, State of the art 02289
Bathymetry, Sonar, Scanning, Signal processing, Optics 06307
Cathode ray tubes, Resolution, Yttrium aluminum garnet, Luminescence 00736
Cathode ray tubes, Workstations, Performance, Technology 08861
Color, Computer graphics, Perception, Image processing, Dissertation 02566
Color, Flight control systems, Military aircraft 06948
Color, Receivers, Image processing, Modeling, Statistical analysis 03969
Color, Stability, Liquid crystals, Polarization, Performance 08900
Color, Technology, Colorimetry 06168
Color, Televisions, Quality control 01390
Color, Testing, Jet engines, Computer aided analysis 00459
Computer aided control, Airports, Helicopters, Flight control systems 00468
Computer aided design, Flight control systems, Military aircraft, Helicopters 02080
Computer graphics, Air traffic control, Communication networks, Reliability 03093
Computer graphics, Interactive systems, Terminals, Control systems, Oscillation 02305
Displays, (continued)
Computer graphics, Liquid crystals, Technology, Research and development 02533
Computer graphics, Mapping, Video systems, Circuitry, Hybrids 05686
Computer graphics, Portability, Silicon, Semiconductors, Transistors 07590
Computer graphics, Televisions, Receivers, Image processing, Minicomputers 07087
Data collection, Recording systems, Reliability, Shift registers 00598
Dielectrics, Electroluminescence, Thin films, Zinc sulfide 03957
Discharges, Luminescence, Automotive engineering 00624
Education, Electric power generation, Computer programs, Loading 04953
Ergonomics, Lighting 07306
Ergonomics, Liquid crystals, Military engineering, Cathode ray tubes, Terminals 08891
Eyes, Ergonomics, Vision, Terminals 00587
Fabrication, Electrodes, Structural analysis, Voltage 08896
Fabrication, Glass, Pressure, Circuitry 08898
Fatigue, Eyes, Strain 06087
Fiber optics, Helicopters, Image processing, Scanners, Laboratories 05246
Gases, Cathode ray tubes, Circuitry, Televisions, Color 08899
Guidance and control systems, Landing gear, Vortices, Aerospace simulation 00486
Holography, Image processing, Computer aided control 05691
Image processing, Biomedical engineering, Signal to noise ratio, Radiation 06997
Image processing, Coding, Optics, Noise, Dissertation 06131
Image processing, Color, X-rays, Cameras 03453
Image processing, Computer graphics, Monitoring, Controllers 08894
Image processing, Control systems, Acoustics, Software development 03989
Image processing, Electric variables measurement, Current voltage, Design 08897
Image processing, Holography, Motor vehicles, Training, Technology 09038
Image processing, Three dimensionality, Scanners, Diagnostics, Radiology 00510
Information systems, Power plants, Coal 03318
Integrated circuits, Control systems, Liquid crystals, Video systems 02553
Integrated circuits, Oscilloscopes, Microcomputers, Interfaces, Alphanumerics 00285
Interactive systems, Lasers, Scanning, Automation, Control systems 02217
Light valves, Sensors, Photodevices, Liquid crystals, Image processing 02532
Liquid crystals, Guidance and control systems, Automotive engineering 02529
Liquid crystals, Guidance and control systems, Microcomputers 02346
Liquid crystals, Matrices, Circuitry, Electric power transmission, Fabrication 08892
Logic circuits, Arrays, Broadcasting, Editing, Power 06368
Luminescence, Aircraft, Human factors 00824
Mapping, Data bases, Geology, Image processing, Simulation 00533
Mapping, Remote sensing, Image processing, Radar, Aircraft 02895
Metal oxide semiconductors, Field effect transistors, Channels 08895
Micrographics, Image processing, Technology, File management, Storage 02564
Military aircraft, Cathode ray tubes, Imaging, Illumination 06952
Military aircraft, Control systems, Alarm systems, Systems design 03624
Military aircraft, Instrumentation, Technology, Research and development 06953
Military engineering, Cartography, Computer programs, Tracking 02189
Military engineering, Mapping, Computer graphics, Data bases, Terrain analysis 02224
Nuclear power plants, Control systems, Simulation, Computer graphics 00191
Optics, Design, Quality control, Aircraft engineering, Simulation 08885
Phosphorescence, Electrons, Cathode ray tubes 03908
Photogrammetry, Image processing, Distortion, Cameras, Computer programs 05583
Plasmas, Electrodes, Cesium, Breakdown, Voltage 08863
Plotting, Formatting, Software packages, Man machine interactions 03743
Power plants, Control systems, Microprocessors, Man machine interactions 03397
Radar, Signal processing, Marine engineering, Testing, Meteorology 07869
Radiography, Image processing, Tracking, Cameras, Computer graphics 03669
Raster displays, Image processing, Resolution, Quality control 03962
Readability, Backlighting, Liquid crystal displays 00825
Remote sensing, Mapping, Computer graphics, Image processing 02225
Safety, Legislation, Occupational health 08931
Signal processing, Scanning, Quality control, Interference, Televisions 02952
Simulation, Aircraft, Instrumentation, Guidance and control systems 00457
Simulation, Helicopters, Stability, Guidance and control systems 05263
Simulation, Telecommunications, Delay, Computer graphics, Control systems 05237
Spacecraft, Reliability, Control systems 03953
Switches, Alarm systems, Microcomputers, Guidance and control systems 02339
Technology, Aircraft engineering, Guidance and control systems 02103
Telephones, Office automation 06257
Telephones, Terminals, Cathode ray tubes, Research and development 06251
Televisions, Color, Filters, Prisms 04575
Televisions, Quality control, Fixed versus variable letter width 01389
Televisions, Yoke design, Optics, Picture tubes, Color 02484
Terminals, Cathode ray tubes, Telecommunications 06242
Terminals, Personal computers, Ergonomics, Touch sensitive screens 03752
Thin films, Electric variables control, Voltage, Circuitry, Failure 08890
Thin films, Electroluminescence, Electrons, Irradiation, Excitation 05675
Thin films, Electroluminescence, Structural analysis, Zinc sulfide 05676
Time measurement, Clocks, Computer aided control, Research and development 05131
Transducers, Torque, Machinery, Signal processing, Frequency 05837
Video systems, Technological forecasting, Product development 07254
Video systems, Teleconferencing, Image processing, Data compression 06159
Videotex, Alphanumerics, Information systems, Televisions, Dissertation 01379
Videotex, Standards, Research and development 02561
Videotex, Standards, United Kingdom 06130
Waveforms, Voltage, Time measurement, Instrumentation 02001
Wavelengths, Image processing, Scanning, Acoustics, Transducers 01994
Dissipation,
Conductors, Cross sectional measurement, Waveguides, Optimization 04310
Electric vehicles, Charge carriers, Voltage, Computer aided design, Batteries 00188
Electrostatics, Modeling, Circuitry, Induction machines 03296
Energy loss, Coatings, Bending, Waveguides, Light transmission 02650
Energy loss, Leak detection, Metal oxide semiconductors, Integrated circuits 01193
Energy loss, Semiconductors, Bias, Switching, Resistors, Dissertation 01210
Gain, Refractive indices, Waveguides, Oscillators, Semiconductor lasers 04031
Inverters, Product development, Superconductors, Integrated circuits, Switching 02617
Josephson junctions, Oscillators, Numerical analysis 04184
Light scattering, Waveguides, Refractive indices, Attenuation 02647

Dissipation, (continued)
Magnetic fields, Leak detection, Transformers 02674
Motors, Voltage, Frequency, Current, Control systems 00071
Optimization, Transmission lines, Capacitors, Switching, Voltage 01743
Shift registers, Integrated circuits, Charge coupled devices 02850
Simulation, Electrical resistivity, Superconductivity, Voltage, Switching 04150
Solar cells, Electrical resistivity, Power supply 02498
Solenoids, Modulation, Powder metallurgy, Superconductors 04237
Spectroscopy, Light emitting diodes, Gallium arsenic phosphide 02527
Switching, Snubber circuits, Thyristors, Logic circuits, Inductance 00122
Voltage, Electrodes, Fuel efficiency, Fuel cells 01806

Distance measurement,
Infrared, Lasers, Optical systems, Design 00991
Lasers, Pattern recognition, Software development, Scene analysis 00860
Military engineering, Optical systems, Design, Lasers 00990
Position control, Synchronization, Radar, Aircraft, Measurement errors 03100
Radar, Microwaves, Filters, Clutter 08081
Sensors, Ultrasonics, Transducers 08469
Signal processing, Standards, Avionics 07863
Standards, Avionics, Microwaves, Landing gear 06466
Standards, Avionics, Microwaves, Landing gear 06957
Technology, State of the art, Computer aided design 09495
Tracking, Position control, Signal reception, Doppler effect 09494

Distillation,
Desalination, Electromagnetic fields, Hydrocarbon processing 00171

Distortion,
Acoustic waves, Frequency, Audio systems, Computer aided analysis 08433
Antennae, Radiation, Transmission lines 03254
Bipolar transistors, Pnp junctions, Signal processing 01162
Circuitry, Sensitivity, Computer aided analysis, SCAPN 07152
Conductivity, Packaged components, Sensors, Oceanography, Magnetic fields 01607
Coupling, Signals, Logic circuits, Gallium arsenide 09256
Current, Voltage, Measurement, Converters 08415
Electromagnetic waves, Transducers, Waveguides, Piezoelectricity 02648
Encoding, Gaussian sources, Quantization, Simulation 04790
Error, Probability, Channels, Codes 03172
Filtering, Robustness, Input, Channels, Signal processing 09565
Filters, Amplifiers, Bandwidth, Frequency, Numerical analysis 00641
Filters, Nonlinearities, Modeling 03841
Filters, Signal processing, Amplifiers, Frequency, Volterra series 00642
Harmonics, Locking, Injection, Current, Oscillators 03860
Image processing, Measurement errors, Nuclear magnetic resonance, Simulation 00270
Image processing, Photogrammetry, Cameras, Displays, Computer programs 05583
Imaging, Radiology, Signal to noise ratio 02142
Irradiation, Phase shifts, Radio frequency, Transmission lines, Broadcasting 03205
Loops, Feedback, Computer aided control, Thyristors, Thyristor current source 05065
Modulation, Amplitude, Filters, Performance 06387
Multiplexing, Amplifiers, Frequency, Satellites 02435
Neurophysiology, Communication networks, Channels, Controllers 05328
Patterm recognition, Antennae, Arrays, Nulling 04843
Radio communications, Channels, Signals, Fading 09309
Random variables, Signal transmission, Channels, Noise, Jammers 06350
Satellite communications, Signal processing, Modulation 07792
Seismology, Channels, Filtering, Deconvolution, Dissertation 04774
Signal processing, Circuitry, Noise, Numerical analysis, Filters 00102
Signal processing, Communication networks, Minimization, Channels 03125
Signal processing, Radios, Broadcasting, Security, Spectrum inversion 04779
Signal transmission, Filters, Televisions 06163
Signal transmission, Reliability, Atmospheric conditions, Microwaves 09575
Signals, Bandwidths, Noise, Audiometry 01995
Signals, Pulse code modulation, Filters 00680
Speech recognition, Noise, Filtering 03077
Teletext, Signal transmission, Delay, Pattern recognition, Simulation 03037
Transfer functions, Filters, Estimation, Error, Approximations 00635
Waveforms, Microwaves, Radio communications, Antennae 07689
Waveforms, Power systems, Monitoring, Standards 01779

Distributed parameter systems,
Feedback, Control theory 05228

Distributed processing,
Access, Transmission, Local area networks, Protocols, Simulation 04631
Architecture, Networks, Workstations 03760
Arithmetic, Filters, Control theory, Structural analysis 02394
Broadcasting, Architecture, Local area networks, Protocols, Banet 07097
Buses, Modeling, Networks, Queueing theory 05396
Communication networks, Local area networks, Office automation, Dow Chemical 09444
Data base management systems, Buses, Parallel processing, Image processing 06203
Data communications, Local area networks, UniLAN 07836
Local area networks, Packet switching, Protocols, Speech transmission 04640
Production control, Automation, Hewlett Packard 3000/40 05400
Retail industry, Facsimile systems, Cost benefit analysis, State of the art 03033
Systems design, Networks, Protocols 05406
Telecommunications, Configurations, Networks 01439
Telecommunications, Military, Technological forecasting 08624
Telecommunications, Monitoring, Realtime systems 01436

Distributed systems,
Broadcasting, Data transmission 06356
Buses, Architecture, Communications, Switching, Research and development 02283
Capacitance, Frequency, Resistance, Metal oxide semiconductors, Voltage 03822
Communication networks, Architecture, Signal transmission, Circuitry, Channels 03167
Communication networks, Circuitry, Switching, Access, Channels 06400
Communication networks, File management, TECNET 09439
Communication networks, Office automation, Word processors, Plug compatibility 06193
Communication networks, Terminals, Signal transmission, Traffic, Access 06119
Control systems, Manufacturing, Process control, Systems design 03571
Controllers, Programming, Batch automation 06933
Electric power generation, Alarm systems, Monitoring, Computer aided control 03319

Distributed systems, (continued)
Electric power generation, Computer aided control, Loading, Technology 0668
Electronic equipment, Power plants, Process control, Systems design, Technology 0339
Information processing, Communication networks, Modeling, Protocols 0601
Instrumentation, Analog to digital conversion, Programming, Architecture 0459
Integrated circuits, Switching, Communication networks, Structural analysis 0144
Japan, Data processing centers, Systems design, Packet switching 0943
Local area networks, Architecture, Plug compatibility 0541
Local area networks, Multiplexing, Remote sensing, Switching 0145
Local area networks, Telecommunications, Transmission lines, Testing 0624
Local area networks, Traffic, Buses, Access 0872
Mapping, Security, Modeling, Stability, Organization and methods 0609
Packet switching, Communication networks, Reliability, Routing, Queueing theory 0464
Process control, Electric power generation, Loading, Quality control 0338
Robots, Aircraft, Guidance and control systems, Expert systems, Modeling 0044
Robustness, Controllers, Parameter estimation, Operators, Heat exchangers 0205
Signal processing, Filters, Structural analysis, Arithmetic 0063
Simulation, Communication networks, Automation, Control systems, Modeling 0376
Speech transmission, Local area networks, Control systems, Packet switching 0784
Trees, Algorithms, Multiprocessors, Arrays, Structural analysis 0604

Distribution,
Business, Data processing, Communication networks, Computer aided manufacturing 0298
Inventory control, Mail handling, Computer aided control 0212
Water supply, Control systems, Telemetry, Communications 0459

Distributions,
Image processing, Mapping, Statistical analysis, Dissertation 0893

Documentation,
Circuitry, Loops, Receivers, Software development, Modules 0611

Domestic appliances,
Thermal insulation, Electric appliances, Plastics, Composite materials 0245

Doping,
Aluminum gallium arsenide, Gallium arsenide, Heterojunctions 0597
Aluminum gallium arsenide, Heterojunctions, Fabrication 0760
Avalanche photodiodes, Current voltage, Tunneling, Gain 0249
Bipolar transistors, Current voltage, Emitters, Diffusion 0756
Boron, Metal oxide semiconductors, Channels, Performance 0597
Boron, MOSFET, Voltage, Numerical analysis 0596
Breakdown, Voltage, Photodiodes 0392
Cadmium sulfide, Indium, Heterojunctions, Solar cells 0250
Cadmium sulfide, Solar cells, Indium, Open circuit voltage, Short circuits 0333
Cadmium telluride, Thin films, Solar cells, Film growth, Evaporation 0666
Channels, Metal oxide semiconductors, Field effect transistors, Charge 02739
Channels, Voltage, Metal oxide semiconductors, Field effect transistors 02755
Chromium dioxide, Ferromagnets, Synthesis, Surface properties, Video systems 05865
Concentration, Junctions, Electric fields, Potentials 01943
Contacts, Metals, Silicides, Schottky diodes 05914
Crystal growth, Silicon, Integrated circuits, Thin films 02828
Diodes, Voltage, Breakdown, Planar processes 00290
Epoxy resins, Metals, Frequency, Dielectricity, Permittivity 07533
Field effect transistors, Breakdown voltage, MOSFET 01185
Field effect transistors, Transconductance, Voltage, Hall effect 04428
Gain, Bipolar transistors, Current 01170
Gallium arsenide, Avalanche diodes, Fabrication 09188
Gallium arsenide, Chromium, Annealing, Thermal variables measurement 07671
Gallium arsenide, Diodes, Manganese, Iron, Current voltage 08422
Gallium arsenide, Field effect transistors, Piezoelectricity 08475
Gallium arsenide, Heterojunctions, Gallium aluminum arsenide 09182
Gallium arsenide, IMPATT diodes, Optimization 05909
Gallium arsenide, IMPATT diodes, Oscillators, Noise 04373
Gallium arsenide, MESFET, Channels, Performance 09235
Gallium arsenide, MESFET, Microwaves, Noise, Performance 05984
Gallium arsenide, Selenium, Epitaxial growth, Field effect transistors 04432
Gallium arsenide, Semiconductors, Pn junctions, Breakdown voltage 04371
Gallium arsenide, Silicon, Carrier mobility, Electrons, Concentration 02720
Germanium, Photoconductors, Detectors, Far infrared, Lasers 00765
HEMT, Transistors, Voltage, Carrier concentration, Temperature 07562
Indium phosphide, Iron, Photoconductivity, Electric fields, Recombination 03923
Indium phosphide, Iron, Photoconductors, Dye lasers, Excitation 03922
Lead, Current voltage, Josephson junctions, Tunnel junctions 04215
Lithium niobate, Titanium, Waveguides, Couplers, Refractive indices 07482
Logic circuits, Channels, Epitaxial growth, Metal oxide semiconductors 01233
Magnetics, Sensors, Fabrication, Transistors, Hall effect 06831
Metal oxide semiconductors, Channels, Current voltage 02740
Metal oxide semiconductors, Transistors, Capacitance, Current 01237
MODFET, Integrated circuits, Capacitance, Bias, Transconductance 07609
Modulation, Field effect transistors, Voltage, Heterostructures 02770
Molecular beam epitaxy, Bipolar transistors, Heterostructures, AlGaAs/GaAs 07573
Neutrons, Germanium, Field effect transistors, Bolometers 01894
Nitrogen, Thin films, Tantalum, Aluminum, Capacitors 03901
Pn junctions, Emitters, Diffusion, Recombination, Surface properties 04377
Pn junctions, Photovoltage, Degeneracy, Silicon 03918
Pnp junctions, Transistors, Epitaxial growth, Current, Modeling 04400
Polymerization, Electrochemical reactions, Charge, Storage, Poly(thiophene) 08501
Polyphenylacetylene, Electrical conductivity, Semiconductors, Dissertation 06726
Polysilicon, Carrier mobility, Carrier density, Grain boundaries 09079
Polysilicon, CMOS, Field effect transistors, Integrated circuits, Design 07596
Polysilicon, Electrical conductivity, Thermionic emissions, Field emissions 07457
Polysilicon, Grain boundaries, Current voltage, Temperature 05902
Rare earths, Crystals, Glass, Optical properties, Ultraviolet 07291
Resists, Photolithography, Integrated circuits, Etching 02535
Scandium oxide, Cathodes, Current density, Surface properties 07250
Semiconductors, Current, Charge transfer 09193
Semiconductors, Hall effect, Electrical resistance, Temperature 06883
Semiconductors, Photolithography, Integrated circuits, Microelectronics 02830
Semiconductors, Pn junctions, Recombination, Space charge 05911
Semiconductors, Surface acoustic waves, Dissertation 02686

ping, (continued)

- Silicon, Aluminum, Contacts, Electrical resistivity, Transmission lines 05074
- Silicon, Annealing, Power, Rectifiers, Thyristors 01121
- Silicon, Bipolar transistors, Numerical analysis, Carrier mobility 02696
- Silicon, Chalcogens, Fabrication, Semiconductors 05898
- Silicon, Solar cells, Recombination, Open circuit voltage, Performance 05615
- Silicon, Solar cells, Voltage, Performance 08334
- Silicon, Thin films, Piezoelectricity, Transducers, Temperature 04332
- Solar cells, Schottky diodes, Photovoltaic effect, Semiconductors 03930
- Transistors, Gallium arsenide, Numerical analysis, Surface properties 01177
- Transistors, Parameter estimation, Bipolar transistors 01158
- Transistors, Thin films, Insulators, Interfaces 02775
- Yttrium iron garnet, Lasers, Irradiation, Current voltage 05809
- Zinc sulfide, Films, Manganese, Electroluminescence, Chemical vapor deposition 00816

ppler anemometers,

- Lasers, Velocity, Measurement, Nuclear reactors, Rod bundles 07440

ppler effect,

- Acoustic emissions, Nondestructive testing 05111
- Estimation, Delay, Theorem proving, Boundary value problems, Numerical analysis 09562
- Radar, Shipboard equipment, Navigation, Remote sensing 09503
- Resonance, Atmospheric conditions, Ultraviolet 03729
- Sonar, Fish detection, Migrations 09517
- Tracking, Position control, Distance measurement, Signal reception 09494

ppler radar,

- Antennae, Clutter, Navigation 09508

ppler shift,

- Anemometry, Electrodes, Lasers, Velocity, Particles, Arcs 02619
- Carrier waves, Waveforms, Ultrasonics, Cardiovascular system 02153
- Fabry Perot interferometers, Image processing, Thermodynamics 08707
- Frequency, Vibration, Radiation, Electromagnetics 08028
- Infrared, Thermal variables measurement, Absorption, Spectral analysis 03481
- Interferometers, Reflection, Signal detection, Backscattering 04560
- Lasers, Velocimeters, Photodiodes, Speckle 07437
- Microwaves, Radar, Interferometry, Biology, Dissertation 08420
- Orbital motion, Satellites, Tracking, EMI, EMC 09497
- Radar, Biomedical engineering 07874
- Radar, Error, Velocity, Meteorology, Signal to noise ratio 04712
- Radar, Microwaves, Biomedical engineering, Impedance 01534
- Radar, Signal processing, Computer aided analysis, Target detection 09507
- Radio frequency, Spectral analysis, Reflection, Ionosphere 06444
- Signal processing, Radar, Reconstruction, Coding 04708

osimetry,

- Annealing, Structural analysis, Damage, Metal oxide semiconductors 01154
- Benchmarks, Nuclear reactors, Covariance 00748
- Calibration, Neutrons, Deuterium oxide, Nuclear fuels 00380
- Covariance, Matrices, Adjustment codes, Least squares estimation 00752
- Cross sectional measurement, Experimental design, Standard deviation 00382
- Cross sectional measurement, Nuclear reactors, Data bases 00741
- Data bases, Multiprocessing, Software 00379
- Fusion, Gamma radiation, Least squares estimation 00745
- Fusion, Nuclear reactors, Radiometry 00746
- Ions, Space charge, Transmission lines, Counters 00753
- Irradiation, Pressure vessels, Nuclear reactors, ^{85}Kr 00739
- Least squares estimation, Software, Nuclear engineering 00195
- Neutrons, Integral equations, Time measurement 00383
- Neutrons, Irradiation, Nuclear reactors, Steel, Pressure vessels 00740
- Neutrons, Nuclear reactors, Pressure vessels, Steel 00742
- Neutrons, Radioactive materials handling, Waste treatment, Flux 02487
- Neutrons, Spallation, Fusion, Spectral analysis 00384
- Nuclear reactors, Covariance, Matrices, Validation 00751
- Nuclear reactors, Cross sectional measurement, Benchmarking, Spectral analysis 00378
- Nuclear reactors, Cross sectional measurement, Data bases 00743
- Nuclear reactors, Pressure vessels, Cross sectional measurement 00747
- Portability, Monitoring, Radiation 05161
- Pressure vessels, Nuclear reactors, Monitoring 00750
- Radiation, Cables, Polymers, Materials testing, Magnetic fields 03912
- Radiation, Calibration, Laboratory testing, Monitoring, Instrumentation 05585
- Radiation, Data collection, Monitoring, Instrumentation 05586
- Radiation dosimetry, Radioisotopes, Alpha radiation, Mathematical models 05587
- Radiation, Electronics, Magnetic fields, Circuitry 03431
- Radiation, Fiber optics 07726
- Radiation, Gamma radiation, Dose response effects, Calibration 06745
- Radiation, Gamma radiation, Plastics 03909
- Radiation, Ionizing radiation, Filters 02777
- Radiation, Ions, Electrons 03914
- Radiation, Irradiation, Cables, Wire, Technology 03430
- Radiation, Materials testing, Technology, Thermal properties, Plastics 03661
- Radiation, Monitoring, Plastics, Structural analysis 03910
- Radiation, Nuclear reactors, Wastewater treatment, Research and development 03432
- Radiation, Peoples Republic of China, Research and development, Nuclear energy 03915
- Radiation, Polyethylene, Absorption, Quality control 03433
- Radiation, Polymers, Cables, Technology, Insulators 03911
- Radiation, Ultrasonics, Absorption, Biology, Dissertation 02144
- Radiation, Voltage, Performance, Nuclear energy 03462
- Radioisotopes, Iodine, Astrophysics 00304
- Radiometry, Nuclear reactors, Calibration 00744
- Spectral analysis, Simulation, Data bases 00749
- Transducers, Gases, Discharges, Avalanche 09156

wntime,

- Electric power generation, Control systems, Nuclear power plants 00196
- Telecommunications, Control systems, Failure, Fault tolerance 00592
- Voltage, Electric power generation, Security, Power systems 01869

ag,

- Conductivity, Magnetohydrodynamics, Incompressible flow 00168
- Viscosity, Conductivity, Magnetohydrodynamics, Incompressible flow 00169

Drilling,

- Manufacturing, Robots, Aerospace industry, Grinding, Research and development 06915
- Offshore structures, Facsimile systems, Data transmission, Technical drawing 04611
- Ultrasonics, Inspection, Pipes, Transducers 05834

Drives,

- Cement industry, Electric power distribution, Process control 03395
- Cement industry, Technology, Motors 03400
- Clutches, Dynamometers, Computer aided control, Electric vehicles 02340
- Coil winding machines, Automatic control, Stepping motors 04877
- Compressors, Synchronous machines, Electric power transmission 03278
- Control systems, Dynamics, Servomechanisms 01770
- Control systems, Turbines, Wind energy 01704
- Controllers, Design, Electric variables measurement, Induction motors 04873
- Controllers, Loops, Converters, Stability, Simulation 06568
- Current, Velocity control, Simulation 06607
- Electric variables measurement, Torque, Modeling, Velocity, Numerical analysis 04858
- Electric vehicles, Propulsion, Control systems, Microcomputers 07101
- Harmonics, Reliability, Power supply, Inverters, Commutation 00120
- Induction motors, Braking, Injection 06533
- Induction motors, Electric variables control, Microprocessors 06528
- Induction motors, Inverters, Frequency, Control systems, Costs 08157
- Induction motors, Power supply, Current voltage, Modulation 08151
- Induction motors, Torque, Frequency, Inverters 08158
- Locomotives, Adhesion, Transmission systems, Electric variables measurement 04870
- Modulation, Pulses, Control systems, Inverters, Read only memory 03307
- Motors, Energy conservation, Frequency, Control systems 06542
- Motors, Position control, Simulation 00069
- Motors, Rotors, Energy recovery, Control systems, Electric variables control 06526
- Motors, Synchronous machines, Velocity control 08154
- Motors, Velocity control 06545
- Performance, Loading 03425
- Position control, Feedback, Process control, Machine tools 01688
- Power, Converters 08203
- Pumps, Frequency, Control systems, Design, Loading 04875
- Pumps, Induction motors, Wear, Failure, Control systems 04869
- Robots, Hydraulic systems, Mechanical handling, Automotive engineering 03603
- Rolling mills, Technology 03281
- Rotors, Induction motors, Velocity control 03277
- Stepping motors, Voltage, Magnetics, Dissertation 06543
- Velocity measurement, Computer aided analysis 03292

Dye lasers,

- Argon, Gas lasers, Mode locking, Pumping 07414
- Chirp, Frequency, Modulation 07408
- Coatings, Polarization, Gain, Cavities 00910
- Design, Oscillators, Amplifiers, Mode locking, Pulse generation 00992
- Electric fields, Anisotropy, Spectral analysis, Radiation, Electric fields 08974
- Excimer lasers, Frequency, Tuning, Ultraviolet 05054
- Excitation, Indium phosphide, Doping, Iron, Photoconductors 03922
- Infrared, Tuning, Pulse generation, Stability 09023
- Injection, Pumping, Resonators, Wavelengths 09020
- Optical analysis, Electrooptics, Pulse generation, Pumping, Dissertation 07434
- Optical analysis, Heat treatment, Hydrogen, Ions, Vibration, Dissertation 01009
- Pulse generation, Modulation, Chirp 07352
- Pulses, Mode locking, Amplitude 08999
- Pumping, Reliability 09014
- Thin films, Waveguides, Coupling, Amplifiers 00907
- YAG lasers, Pumping, Frequency, Wavelengths 07412

Dynamical systems,

- Minimax, Filtering, Game theory, Problem solving 09591
- Signal processing, Filtering, Random variables, Structural analysis 09543
- Systems analysis, Control systems, Stability 03576

Dynamics,

- Control systems, Induction motors, Performance, Research and development 04868
- Controllers, Voltage, Motors 03297
- Coupling, Contact resistance 07222
- Current, Feedback, Superconductivity, Thermoelectricity 01024
- Current, Numerical analysis, Masers, Harmonics 00931
- Electrostatics, Newton laws 00002
- Hydroelectric power generation, Environmental protection, Performance 04951
- Image processing, Scene analysis, Parameter estimation, Optics, Flow 05724
- Interfaces, Tin, Connectors, Contact resistance 07238
- Machinery, Synchronization, Rotors, Harmonics, Numerical analysis 00066
- Magnetization, Magnetic tapes, Coercive force, Frequency 07532
- Manipulators, Control systems, Algorithms, Optimization, Dissertation 00422
- Matrices, Robustness, Electric power generation, Controllers, Modeling 04955
- Motors, Loading, Modeling, Electric power generation, Numerical analysis 06521
- Motors, Mathematical models 06535
- Nonlinearity, Circuitry, Spaces, Terminals, Controllers 02402
- Oscillators, IMPATT diodes, Circuitry 08816
- Oscillators, Noise, Excitation, Structural analysis 06427
- Plasmas, Lasers, Irradiation, Thermal variables measurement 07343
- Position control, Manipulators, Robots, Kinematics, Dissertation 03608
- Robots, Computer aided control, Planning, Numerical analysis, Computer programs 06914
- Robots, Control systems, Research and development 05214
- Rotating bodies, Signal processing, Scattering, Electrical conductivity 04820
- Schottky diodes, Fabrication, Sensors, Optics, Detection 07267
- Semiconductor lasers, Modeling, Numerical analysis, Charge carriers, Density 04015
- Servomechanisms, Control systems, Drives 01770
- Simulation, Modeling, Control systems, Electronic equipment, Problem solving 03568
- Spacecraft, Guidance and control systems 08611
- Spacecraft, Solar energy, Structural analysis, Perturbation, Modeling 05265
- Thermocouples, Junctions, Thermal variables measurement 07462
- Torque measurement, Aerodynamics, Spacecraft, Satellites 00477
- Transducers, Ferrites, Magnetization, Ni-Zn 04347
- Transducers, Simulation, Finite element method, Electromagnetics, Modeling 06518
- Transmission lines, Loading, Structural analysis, Programming languages 09087

Subject Index

Dynamometers,
- Clutches, Microcomputers, Electric vehicles, Computer aided control 02340

Dynodes,
- Electron multipliers, Gain, Voltage, Saturation 03906

Ecology,
- Hydroelectric power generation, Power plants, Construction, Resource management 05024
- Image processing, Photography, Fisheries, Computer aided analysis 03993
- Mapping, Aerial photography, Remote sensing, Image processing 02226
- Oceanography, Reflectance, Optical analysis, Image processing 00560
- Resource management, Agriculture, Transducers, Leaf wetting, Measurement 05842
- Resource management, Wildland classification, Numerical analysis, Dissertation 02172
- Telemetry, Data collection, Biology, Wildlife 05425

Economics,
- Access, Communication networks, Online systems, Programming languages 02997
- Acoustics, Motor vehicles, Transducers, Control systems, Automation 00622
- Aircraft engineering, Altitude, Safety systems, Government regulations 06946
- Analog to digital converters, Multipliers, Voltage, Time measurement 00687
- Arc welding, Mechanical handling, Robots 03596
- Architecture, Networks, Fiber optics, Research and development 07737
- Artificial intelligence, Communications, State of the art 06263
- Artificial intelligence, Robots 05205
- Assembling, Production control, Mechanical handling, Robots 03594
- Automation, Aircraft engineering, McDonnell Douglas 08514
- Automotive engineering, Computer aided design, Finite element method 03767
- Banking, Automation, File management, Information retrieval, Documentation 03745
- Buses, Spectrometers, Interfaces, Data processing, Software development 01897
- Cables, Wires, Transmission lines, Estimation, Buildings 09471
- Capital investment, Utilities, Solar power generation, Photovoltaics 03368
- Cement industry, Production control, Fuel efficiency, Energy conservation 08140
- Circuitry, Amplifiers, Matrices, Computer aided analysis 02428
- Circuitry, Fault detection, Testing, Information processing 00674
- Communication networks, Design 03027
- Communication networks, Government policies, Australia 04519
- Communication networks, Private branch exchange, Office automation 07083
- Communication networks, Speech transmission, Data transmission 07826
- Communication networks, Teleports, Information services, Management 02982
- Communication networks, Transmission lines 08720
- Communications, Audio systems, Teleconferencing 09429
- Communications, Packet switching, Speech transmission 09454
- Computer aided control, Optimization, Transmission lines, Security 08182
- Computer aided manufacturing, Robots, Productivity, Dissertation 08528
- Computer aided manufacturing, Valves, Production control, Robots 05184
- Construction, Power plants, Solar power generation 01833
- Data collection, Resource management, Satellite communications, Modeling 03692
- Data collection, Telecommunications, Satellites, Meteorology 07059
- Data communications, Local area networks 01469
- Data transmission, Flow, Government policies, Developing countries 04625
- Data transmission, Telecommunications 09447
- Design, Optimization, Solar heating 03361
- Electric power distribution, Linear programming, Penalty functions 06693
- Electric power distribution, Loading, Management, Control systems 06571
- Electric power distribution, Loading, Numerical analysis 06692
- Electric power distribution, Loading, Power supply, Reliability 05014
- Electric power distribution, Loading, Resource management 06688
- Electric power distribution, Modeling, Planning, Flow, Algorithms 06570
- Electric power distribution, Power plants, Design, Specifications 05549
- Electric power distribution, Transformers 08184
- Electric power distribution, Voltage, Energy consumption, Statistical analysis 06689
- Electric power generation, Computer aided control, Loading, Distributed systems 06684
- Electric power generation, Control systems, Capacitors, Technology 05025
- Electric power generation, Demand analysis, Loading, Management 00241
- Electric power generation, Loading, Energy conservation, Control systems 03388
- Electric power generation, Loading, Flow, Transmission lines, Scheduling 05029
- Electric power generation, Loading, Reliability, Probability, Simulation 03316
- Electric power generation, Mexico, Nuclear power plants 01811
- Electric power generation, Nuclear energy, Coal, Modeling, Maintenance 06613
- Electric power generation, Productivity, Manufacturing, Steam turbines 05021
- Electric power generation, Reliability, Modeling, Probability, Planning 04916
- Electric power generation, Scheduling, Security, Optimization, Automation 01854
- Electric power generation, State of the art 08355
- Electric power generation, Thermodynamics, Geology, Simulation 06686
- Electronic equipment, Telephones, Private branch exchange, Automation 01467
- Electronic funds transfer, Banking, Technology 09430
- Electronic mail, Sorting, Performance, Management, Productivity 05556
- Electronic mail, Traffic, Planning, Management 09452
- Energy conservation, Induction motors, Torque 03280
- Energy conservation, Optimization, Eddy current, Frequency 08370
- Energy conversion, Photovoltaics, Solar cells, Technological forecasting 08337
- Energy storage devices, Power plants, Loading, Modeling, Numerical analysis 06572
- Estimation, Electric power distribution, Statistical analysis 06694
- Fabrication, Fiber optics, Wavelength division multiplexing 01332
- Fabrication, Microelectronics, State of the art 07625
- Fiber optics, Components, Quality control, Nondestructive testing, Lasers 00985
- Fiber optics, Data communications, Local area networks, Noise, Safety 04553
- Fiber optics, Local area networks, Cables 06149
- Fiber optics, Telecommunications, Speech transmission, State of the art 04566
- Flowmeters, Design, Ultrasonics, Research and development 03519
- Flowmeters, Pipelines, Turbines, Reliability, Research and development 03539
- Fluidized bed processing, Solar energy, Desalination plants 00198
- Geothermal energy, Power plants, Performance 06699
- Government policies, Business forecasting, Lasers, Marketing 00916
- Hydroelectric power generation, Environmental protection, Dynamics, Performance 04951
- Hydroelectric power generation, Power plants, Construction, Resource management 05024

Economics, (continued)
- Hydroelectric power generation, Scheduling, Resource management, Allocation 0668
- Industry, Automation, Programmable controllers, Local area networks 0854
- Information processing, Flow, Telecommunications, Privacy, Protection 0302
- Information processing, Telecommunications, Government policies 0128
- Information retrieval, Records management, Micrographics, Storage 0089
- Integrated circuits, Importing, Demand analysis, United States, Japan 0277
- Large scale printers, Commerce, Forecasting 0373
- Lasers, Communications, State of the art, Technological forecasting 0138
- Lasers, Printers, Technology, Electronic mail, Performance 0742
- Lasers, Production, Marketing, Manufacturing, Germany 0573
- Lasers, Sheet metalworking, Industry, Japan, Research and development 0404
- Legislation, Position control, Aircraft, Navstar 0949
- Linear programming, Probability, Reliability, Electric power generation 05027
- Livestock equipment, Pumps, Water, Solar energy, Design 06667
- Loading, Electric power distribution, Simulation 06697
- Local area networks, Data transmission, Data bases, Mainframes, Desktop systems 0317
- Local area networks, Management, Technology, Data transmission, Flow 0462
- Local area networks, Reliability, Technological forecasting 0872
- Machine tools, Tracing, Servomechanisms, Reliability, Modeling 0376
- Magnetic variables measurement, Flowmeters, Pipes, Probes 0349
- Magnetohydrodynamics, Power plants, Oxygen, Thermal variables measurement 04967
- Maintenance, Systems design, Radio communications, Mobile systems 0453
- Microelectronics, Very large scale integration, Circuitry, Technology 0601
- Micrographics, Data processing, Office automation 0539
- Micrographics, Personnel, Training, Records management, Aerospace industry 0398
- Microprocessors, Transmitters, Instrumentation, Maintenance, Calibration 0931
- Military aircraft, Weapons, Systems design, Antennae, Electronic equipment 05287
- Military engineering, Weapons, Lasers, Energy, Research and development 0403
- Monitoring, Automatic control, Machinery, Fault diagnosis 00451
- Networks, Fiber optics, Transmission, Architecture 0772
- Networks, Management, Compatibility, Standards 09424
- Networks, Office automation, Optical character recognition 0541
- Networks, Packet switching, Data transmission, Access, ISDN 0944
- Noise, Computer aided analysis, Emissions control, Buildings 0352
- Nuclear power plants, Electric power generation, USSR 0181
- Office automation, Communications, Teleconferencing 0461
- Office automation, Electronic mail, Telecommunications 04627
- Office automation, Image processing, Technological forecasting, Microimaging 03749
- Office automation, Satellite communications, Microwave devices 04605
- Office automation, Telecommunications, Data transmission, Speech transmission 03059
- Optimization, Electric power distribution, Numerical analysis 08372
- Paper industry, Machinery, Control systems, Induction motors, Maintenance 03287
- Powder metallurgy, Ceramics, Lasers, Process development 05783
- Power failure, Data processing centers, Downtime, UPS 05415
- Power plants, Control systems, Reliability 03313
- Power plants, Resource management, Performance, Generators 04950
- Printers, Technology, Selection, Office automation 08719
- Printers, Telephones, Automation, Terminals 03056
- Private branch exchange, Data transmission, Speech transmission 01470
- Process control, Automation, State of the art 08549
- Process control, Signal processing, Electric power generation, Safety 04603
- Productivity, Business statistics, Labor relations, Semiconductors 01107
- Productivity, Office automation, Teleconferencing 03034
- Profit maximization, Telecommunications, Fiber optics 07741
- Programmable calculators, Navigation, Personal computers, Reliability, Safety 03092
- Quality control, Manufacturing, Electronic equipment, Life cycle testing 02065
- Retail industry, Facsimile systems, State of the art, Zale Corp. 03033
- Robots, Artificial intelligence, Industry, Government aid 03597
- Robots, Capital investment, Flexible manufacturing systems 08564
- Robots, Manufacturing, Europe 06907
- Robots, Manufacturing, Productivity, Automation, Taiwan 02030
- Robots, Sociology, Library science, Data bases, Information retrieval 03575
- Robots, Vision, Textile industry 00409
- Routing, Telecommunications, Circuitry, Modules, Traffic 04619
- Satellite communications, Aerospace engineering, Production, Data transmission 05260
- Satellite communications, Broadcasting, State of the art 07784
- Satellite communications, Electromagnetics, Technology 06187
- Satellite communications, Information services, Maintenance, Rural areas 07799
- Satellite communications, Insurance, Space shuttle insurance losses 08604
- Signal processing, Radar, Scattering, Identification, Reliability 04706
- Simulation, Aircraft, Technology, Training, Microprocessors 06964
- Sociology, Telecommunications 01437
- Solar cells, Manufacturing, Technology 07274
- Solar energy, Photovoltaics, Technological forecasting 08332
- Space stations, Technology, Ground support systems, Research and development 06959
- Spacecraft, Ground support systems, Research and development, Mariner Mark II 03640
- Spacecraft, Remote sensing, Broadcasting, Satellite communications 06966
- Standby systems, Repair, Reliability, Markov processes, Integral equations 03621
- Systems design, Microelectronics 06015
- Technological forecasting, Solar energy, Silicon, Production 03355
- Technology, Communications, Fiber optics, Satellite communications 04522
- Technology, Electric power generation, Geothermal energy 03376
- Technology, Speech recognition, Research and development, Hewlett-Packard 07081
- Telecommunications, Canada, Technology, Research and development, History 06103
- Telecommunications, Communication networks, Integrated systems, Planning 04664
- Telecommunications, Government regulations, Technology 01292
- Telecommunications, Software, Networks, Transmission lines 02987
- Telecommunications, Technology transfer, Government regulations 09431
- Telephones, Routing, Systems design, Decision making 04656
- Televisions, Cables, Pricing, Modeling, Dissertation 02974
- Thermal variables control, Switches, Relays 08383
- Transducers, Vibration, Measurement, Machinery, Purchasing 07500
- Transformers, Design, Manufacturing, Reliability, Service life 04910
- Transformers, Performance, Energy conservation, Costs 09168
- Turnkey systems, Microcomputers, Computer aided manufacturing 05402

onomics, (continued)
United States, Energy resources, Research and development 03386
Utilities, Customer services, Telecommunications, Modeling, Dissertation 06250
Utilities, Electric power distribution, Customer services, Reliability 05006
Utilities, Electric power distribution, Optimal control 08348
Utilities, Electric power generation, Energy conservation, Dissertation 06700
Utilities, Electric power generation, Loading, Scheduling 08269
Velocity measurement, Flux, Probes, Reliability, Flow 03538
Videodiscs, Microprocessors, Maintenance, Training 01323
Videotex, Technological forecasting, Research and development 04559
Videotex, Teletext, Finance, Marketing, Technological forecasting 02914
ddy current,
Alternators, Impedance, Finite element method, Magnetic fields, Problem solving 06676
Boundary value problems, Integral equations, Conductors, Electromagnetics 06757
Circuitry, Magnetic fields, Numerical analysis, Matrices, Problem solving 06794
Coding, Distributions, Surface properties, Magnetic fields 05066
Computer programs, Information retrieval, Search strategies 03459
Computer programs, Performance, Research and development 06763
Conduction, Magnetic fields, Vectors, Numerical analysis 06820
Conductors, Electromagnetic fields, Transducers, Rods 02656
Conductors, Finite element method, Integrodifferential equations 07224
Conductors, Surface properties, Magnetic fields, Tokamaks, Structural analysis 06752
Conductors, Vacuum technology, Density, Mathematical models 06764
Density, Boundary element method, Magnetic fields, Conductors 05559
Electric fields, Magnetic fields, Finite difference method, Linear equations 06761
Electric variables measurement, Magnetic variables measurement, Steel 06767
Electromagnetics, Flow, Finite element method, Numerical analysis, Generators 06549
Electromagnetics, Pumps, Magnetic fields, Distributions, Numerical analysis 07448
Electromagnetics, Structural analysis, Modeling, Differential equations 06565
Excitation, Titanium, Alloys, Electrical conductivity 04348
Films, Copper, Aluminum, Thickness measurement, Computer aided analysis 07531
Finite element method, Electromagnetics, Distributions, Conductors, Testing 06756
Finite element method, Finite difference method, Magnetic fields, Networks 06762
Force, Torque, Software development, Magnetic fields, Finite difference method 06750
Frequency, Energy conservation, Economics, Optimization 08370
Generators, Electric power generation, Nondestructive testing, Tubes 08412
Harmonics, Integral equations, Boundary value problems, Rotation 06760
Impedance, Modeling, Finite element method 07521
Impedance, Signal processing, Nondestructive testing, Dissertation 01915
Iteration, Numerical analysis, Boundary value problems 06758
Loading, Finite element method, Algorithms, Software development 06766
Magnetic fields, Braking systems, Finite element method, Distributions 07221
Magnetic fields, Conduction, Numerical analysis 05087
Magnetic fields, Conduction, Vectors, Flow, Numerical analysis 06754
Magnetic fields, Damping, Numerical analysis 05092
Magnetic fields, Dipoles 05093
Magnetic fields, Electric fields, Finite difference method 06825
Magnetic fields, Electrical conductivity, Measurement 01928
Magnetic fields, Impedance, Nondestructive testing, Probes 06751
Magnetic fields, Measurement 08461
Mathematical models, Turbogenerators, Rotors 03290
Metals, Conductivity, Melting 00300
Modeling, Electric machines, Finite element method, Numerical analysis 06765
Modeling, Uniqueness, Minimization, Research and development 06755
Nondestructive testing, Materials testing, Numerical analysis 00286
Numerical analysis, Conductors, Integrodifferential equations 06730
Numerical analysis, Density, Conductors, Matrices, Metals 06768
Numerical analysis, Magnetic fields 06838
Oscillators, Inspection, Circuitry, Metrology 08819
Problem solving, Circuitry, Conductors, Numerical analysis 06759
Simulation, Integral equations, Boundary value problems 06753
Software development, Thermal variables measurement, Magnetic fields, Force 06749
Transducers, Amplitude, Phases, Conductivity 05845
Transducers, Mathematical models, Fault detection, Nondestructive testing 02670
Transducers, Nondestructive testing 04343
Transducers, Nondestructive testing, Magnetic variables control 03494
Turbines, Generators, Thermodynamics, Electromagnetics, Finite element method 06553
Turbogenerators, Rotors, Reliability, Economics, Surface properties 08169
ducation,
Amplifiers, Circuitry, Signal processing, Voltage, Mathematical models 07189
Amplitude, Frequency, Networks, Instrumentation 07103
Antennae, Curriculum development, Research and development 06478
Broadcasting, Radios, Government regulations, Dissertation 02349
Communication networks, Modeling, Computer programs 07154
Communication networks, Switching, Capacitors, Filters, Simulation 02352
Communications, Televisions, Dissertation, Ivory Coast 03773
Computer aided design, Computer aided instruction, Microwave devices 03244
Computer aided instruction, Finite element method, Electrical engineering 03489
Computer aided instruction, Machining, Laboratories, Control systems 08145
Computer aided instruction, Parallel processing, Machine machine interactions 02282
Computer aided instruction, Satellite communications 00631
Computer aided instruction, Telecommunications, Technological forecasting 04591
Consumer electronics, Video systems, Technology 07712
Curriculum development, Computer aided instruction, Electrical engineering 08733
Curriculum development, Electric power generation, Research and development 05431
Electric power generation, Computer programs, Displays, Loading 04953
Electric power generation, Control systems, Data collection 08346
Electric power generation, Laboratories, Modeling, Computer aided control 05432
Electrical engineering, Circuitry, Microprocessors, Electromechanics 03819
Electrical engineering, Performance, Videotaped lectures 03771
Electrical engineering, Standards 07104
Energy conversion, Electric variables control, Machinery, Stress, Modeling 06509
Engineering, Circuitry, Functions, Modules, Overhead projection 02413
Engineering, Circuitry, Transformers, Technology 03821
Engineering, Continuing education 03772
Engineering, Electronic engineering, Circuit theory 07162
Education, (continued)
Engineering, Fiber optics, Electronics education 03770
Feedback, Sensitivity, Systems design, Control systems 02019
Geography, Remote sensing, Mapping, United States 02184
Information processing, Technological forecasting, Training 05405
Information services, Televisions, Broadcasting, Dissertation, Universities 07781
Japan, Data processing centers, Systems design, Packet switching 09438
Lasers, Training, Personnel, Industry, Research and development 05789
Library science, Interactive systems, Personal computers, Video systems 09335
Power plants, Transmission lines, Pollution control, Environmental protection 05433
Power systems, Electric power distribution, Design 08261
Robots, Programming languages, Radios, Design, Research and development 06912
Satellite communications, Teleconferencing, Networks, Government agencies 06174
Training, Engineering, Quality control 08734
Video systems, Performance, Dissertation, Psychomotor learning 03774
Videodisks, Artificial intelligence, Technology, Research and development 06132
Egypt,
Cement industry, Electronic equipment, Production, Customer services 03396
Groundwater, Satellite communications, Image processing, Mapping 02209
Elastic waves,
Cladding, Materials planning and control, Waveguides, Ultrasonics 01046
Ferromagnetics, Electromagnetic fields 01942
Magnetic fields, Electromagnetic fields, Acoustics, Harmonics, Excitation 01608
Modeling, Scattering, Wave propagation, Inspection, Ultrasonics 01973
Elasticity,
Aircraft, Wings, Structural analysis, Guidance and control systems, Performance 05253
Boundary value problems, Crack propagation, Integral equations 03428
Composite materials, Stiffness, Velocity, Ultrasonics, Software development 05097
Composite materials, Stress, Strain, Magnetic variables measurement, Tape rolls 04354
Fiber optics, Cables, Buckling, Adhesives, Failure 07696
Frequency, Velocity, Vibration 00324
Microscopy, Acoustics, Image processing, Dissertation 03506
Resonance, Metals, Polarization, Electromagnetic fields 07513
Scattering, Wave propagation, Frequency, Velocity, Porosity 03528
Structural analysis, Crack propagation, Statics, Electric variables measurement 05037
Titanium, Thermal expansion, Stress, Reliability 06944
Wave propagation, Acoustic emissions, Ceramics, Tensile strength 01984
Wave propagation, Coupling, Reflection, Refraction 00339
Wire processing, Materials testing, Microelectronics, Binding 05557
Elastomers,
Silicone, Integrated circuits, Protection, Packaged components 06084
Electric appliances,
Domestic appliances, Thermal insulation, Plastics, Composite materials 02459
Electric fields,
Alloys, Modeling, Structural analysis, Scattering, Current voltage 01945
Americium, Particle size, Aerosols, Ions, Charge 01924
Atmospheric conditions, Backscattering, Radar, Probes 01523
Atmospheric conditions, Resonance, Frequency, Wave propagation 00582
Behavior, Biology, Human factors, Baboons 00316
Biology, Data collection, Electric variables measurement 08443
Biology, Insulators, Materials testing 08293
Breakdown, Pressure, Modeling 06791
Bridges, Superconductivity, Current voltage, Josephson junctions 04171
Calorimetry, Thermal variables measurement, Materials testing 00315
Capacitance voltage, Tunneling, Junctions, Temperature 02725
Cells, Waveguides, Dielectrics, Microwaves 06455
Combustion, Flames, Flow, Oxidation 08442
Coupling, Stability, Fluidized beds, Numerical analysis 08446
Current, Charge carriers, Diodes, Computer aided analysis 05895
Current, Discharges, Magnetic fields, Time measurement 06835
Current, Electrical resistance 01946
Current, Oscillation, Electromagnetic fields, Size of plate 06422
Current, Transmission lines, Magnetics, Insulators, Accelerators 09103
Defects, Detection, Impedance, Solenoids 08447
Dielectric constants, Two phase flow, Phase transitions, Composite materials 04356
Dielectrics, Surface properties, Antennae, Magnetic fields, Numerical analysis 08452
Diffraction, Optical analysis, Maggi-Rubinowicz method 01623
Dipole antennae, Surface properties, Current 08101
Distributions, Conductive media, Computer aided analysis, Medical electronics 01948
Eddy current, Magnetic fields, Finite difference method, Linear equations 06761
Electrical resistivity, Measurement, Semiconductors 05072
Electromagnetic waves, Wave propagation, Plasmas, Dielectrics 06447
Electromagnetics, Finite element method, Waves, Software development 06797
Electron beams, Modeling, Electrodes, Space charge 08445
Electron mobility, Hydrogenation, Amorphous materials, Silicon, Transistors 09200
Electrooptics, Waveguides, Anisotropy, Liquid crystals 07313
Electrostatic precipitators, Particle size, Vibration, Power plants 03540
Energy, Finite element method, Computer aided analysis 06804
Erbium fluoride, Thin films, Capacitors, Current voltage, Temperature 08854
Filters, Mathematical models, Combustion products, Arrays 03783
Flight control, Magnetic fields, Spacecraft, Occupational health 02084
Fluidized beds, Hysteresis, Velocity, Bubbles 08843
Indium phosphide, Doping, Recombination, Carrier mobility, Photoconductivity 03923
Indium phosphide, Electrons, Injection, Drift velocity 05896
Induction motors, Current voltage, Inverters 06538
Insulators, Amplitude, Acoustic testing, Breakdown, Current 00353
Insulators, Vacuum technology, Design, Optimization, Dissertation 05085
Integral equations, Impedance, Current density, Backscattering 08105
Ions, Dissociation, Mass spectrometry 06723
Liquid crystals, Optics, Diffraction, Harmonics 08958
Lubricants, Transformers, Electrooptics, Space charge 01089
Machinery, Magnetic fields, Finite element method, Computer aided analysis 06802
Magnetic fields, Biology, Radiation, Microorganisms 05288
Magnetic fields, Eddy current, Finite difference method, Finite element method 06825
Magnetic fields, Finite element method, Numerical analysis 06822
Magnetic fields, Imaging, Waveguides 07483

Electric fields, (continued)
- Magnetic fields, Public health, Biology, Transmission lines ... 04914
- Magnetic fields, Transmission lines, Charge, Safety ... 01741
- Mathematical models, Turbulent flow, Magnetohydrodynamics ... 00160
- Measurement, Electromagnetics, Interference, Power plants ... 08271
- Measurement, Electrons, Precipitation, Dissertation, Auroras ... 06810
- Measurement errors, Transmission lines, Sensors, Current density ... 07476
- Measurement, Statistical analysis, Plant germination ... 08448
- Measurement, Transmission lines, Topography, Statistical analysis ... 09097
- Metal oxide semiconductors, Field effect transistors, Distributions, Voltage ... 01222
- Meteorology, Hydrology, Diffusion, Waves ... 03715
- Microwaves, Radiation, Computer applications, Monitoring instruments ... 02128
- MNOS, Transistors, Polarization, Kinematics, Temperature ... 05931
- MOSFET, Field effect transistors, Design, Voltage, Channels ... 09231
- Motors, Design, Magnetics, Stress, Book ... 08150
- Niobium, Resonators, Superconductivity, Design, Particle accelerators ... 04170
- Noise, Transmission lines, Corona ... 02643
- Numerical analysis, Antennae, Communications, Extremely low frequency ... 08052
- Oxidation, Combustion, Air pollution, Microscopy ... 08441
- Photodevices, Resolution, Time measurement ... 00764
- Photovoltaic effect, Pressure, Ionization ... 05810
- Photovoltaics, Solar cells, Modular design ... 08328
- Piezoelectricity, Frequency, Vibration ... 01029
- Plasmas, Stability, Oscillators, Germanium ... 00320
- Pn junctions, Bipolar transistors, Pressure, Carrier density, Transducers ... 01070
- Pn junctions, Breakdown, Voltage ... 02724
- Potentials, Crack propagation, Conductors, Current density ... 00713
- Potentials, Crystals, Piezoelectricity, Torsion ... 01032
- Potentials, Junctions, Doping, Concentration ... 01943
- Power, Frequency, Metering, Calibration ... 06809
- Probes, Dipoles, Antennae, Transmission lines ... 08451
- Radio frequency, Semiconductors, Field effect transistors, Illumination ... 00847
- Remote sensing, Mining, Magnetic fields, Accidents ... 07077
- Rubber, Insulators, Protection, Transmission lines ... 00112
- Semiconductors, Conductivity, Structural analysis, Carrier mobility ... 01127
- Sensors, Fiber optics, Piezoelectricity, Polymers ... 01358
- Silicon, Solar cells, Amorphous materials, Boron, Open circuit voltage ... 05638
- Slot antennae, Conductivity, Numerical analysis ... 01665
- Soil science, Remote sensing, Surface properties, Image processing ... 03696
- Spectroscopy, Carrier mobility, Nickel, Pn junctions, Defects ... 02699
- Stability, Electromagnetic waves, Plasmas, Wave propagation ... 08059
- Stability, Fluidized beds ... 08449
- Stress, Vibration, Piezoelectricity, Standards ... 09082
- Superconductivity, Current density, Josephson junctions, Schottky diodes ... 04218
- Superconductors, Composite materials, Current voltage, Magnetic fields ... 04274
- Surface properties, Insulators, Charging ... 02476
- Thermodynamics, Frequency, Simulation, Finite difference method ... 05813
- Thermodynamics, Metabolism, Tissues, Hyperthermia ... 03681
- Transducers, Magnetics, Charge carriers, Sensors ... 05846
- Transmission lines, Current, Performance, Statistical analysis ... 08211
- Velocity, Pulse generation, Current, Photodevices, Diodes ... 02494
- Voltage, Breakdown, Schottky diodes ... 01146
- Voltage, Pressure, Sodium, Lamps ... 08902
- Voltage, Transmission lines, Bipolar devices, Conductivity, Ion current density ... 01042
- Waveguides, Combiners, Couplers, Magnetic fields ... 00052
- Waveguides, Impedance, Green functions ... 06474

Electric furnaces,
- Melting, Radioactive materials handling ... 02623
- Thyristors, Energy conservation, Control systems, Steelmaking ... 02626

Electric motors,
- Petrochemical industry, Bearings, Reliability, Failure, Service life ... 04876

Electric power apparatus,
- Aircraft, Actuators, Design, Fabrication ... 08585
- Aircraft, Design, Costs, Planning ... 08586
- Aircraft, Design, Research and development ... 08588
- Aircraft, Research and development, Service life, Costs ... 08587
- Conductance, Grounding, Current voltage, Networks ... 00663
- Cutting tools, Microprocessors, Automatic control, Wire processing ... 00709
- Industry, Circuit breakers, Maintenance, Statistical analysis ... 08228
- Loading, Cables, Thermal insulation, Heat transfer ... 00136
- Military engineering, Submarines, Production planning, Shipbuilding ... 02120
- Mixing, Molding, Continuous casting ... 00038
- Noise, Radio frequency, Automotive engineering, Electronic equipment ... 03763
- Oscillation, Torsion, Shafts ... 01673
- Precision engineering, Current voltage, Calibration, Error ... 08220
- Pressure measurement, Compressibility, Insulators ... 00256
- Rotating bodies, Shafts, Vibration ... 03303
- Safety, Maintenance, Quality control ... 00229
- Warehousing, Inventory control, Weight measurement ... 00242
- Wire processing, Thermal insulation, Automatic control, Reliability ... 00719

Electric power distribution,
- Automation, Bibliography ... 08349
- Automation, Computer aided control, Data bases, Standards, Software development ... 00127
- Automation, Computer aided control, Optimization, Capacitors ... 01732
- Automation, Reliability, Maintenance, Redundancy, Equipment ... 00129
- Capacitors, Allocation, Linear programming, Decomposition, Convergence ... 06690
- Cement industry, Loading, Technology ... 03402
- Cement industry, Process control, Electronic equipment, Drives ... 03395
- Cogeneration, Energy sources, Safety, Reliability, Customer services ... 04909
- Computer aided control, Data collection, Information processing, Technology ... 03382
- Computer aided control, Realtime systems, Personal computers ... 08234
- Computer aided control, Research and development, Project engineering ... 03383
- Control systems, Voltage, Generators, Inverters ... 08172
- Data processing centers, Protection, Power failure ... 01851
- Economics, Estimation, Statistical analysis ... 06694
- Economics, Linear programming, Penalty functions ... 06693

Electric power distribution, (continued)
- Economics, Power plants, Design, Specifications, Quality control ... 05549
- Electric power generation, Telemetry, Technology ... 04600
- Electric power generation, Wind turbines, Performance ... 08365
- Electric power transmission, Fiberglass, Poles ... 08187
- Energy, Loss factor, Loading, Quadratic equation, Modeling ... 04896
- Fault tolerance, Channels, Recording systems, Statistical analysis ... 08267
- Frequency, Automation, Telemetry, Radio communications, Signal transmission ... 04535
- Loading, Curve fitting, Computer aided analysis, Clustering ... 05009
- Loading, Decision making, Artificial intelligence ... 08238
- Loading, Economics, Numerical analysis ... 06692
- Loading, Economics, Simulation ... 06697
- Loading, Forecasting, Computer aided analysis ... 06574
- Loading, Forecasting, Signal processing, Computer aided analysis, Algorithms ... 01860
- Loading, Management, Control systems, Economics, Systems design ... 06571
- Loading, Power supply, Reliability, Economics, Customer services ... 05014
- Loading, Resource management, Computer aided analysis, Planning, Economics ... 06688
- Modeling, Planning, Economics, Flow, Algorithms ... 06570
- Networks, Control systems ... 08248
- Optimization, Economics, Numerical analysis ... 08372
- Polymers, Insulators, Voltage, Standards ... 08213
- Power failure, Data processing centers, Economics, Downtime, UPS ... 05415
- Power plants, Capacitors, Optimization ... 08276
- Power plants, Industrial plants, Reliability, Computer aided control ... 08345
- Power supply, Performance, Capacitors ... 01760
- Power systems, Computer aided instruction, Design ... 08261
- Relays, Voltage, Comparators, Transformers ... 08214
- Solar energy, Management, Solar power generation, Design, Spain ... 03372
- Switchgear, Voltage, Design, Costs, Reliability ... 08256
- Telemetry, Control systems, Microprocessors, Data transmission, Security ... 04601
- Telemetry, Microcomputers, Data collection, Microwaves, Signal transmission ... 04599
- Telemetry, Pulse code modulation, Control systems, Security ... 03315
- Thermodynamics, Compressors, Refrigeration, Energy consumption ... 08254
- Transformers, Economics ... 08184
- Transformers, Insulators, Failure ... 08221
- Transformers, Loading, Reliability, Algorithms, Modeling ... 04930
- Transmission lines, Frequency, Data collection ... 01876
- Transmission lines, Lightning, Voltage, Wavefronts, Counters ... 00098
- Utilities, Control systems, Minicomputers ... 03311
- Utilities, Customer services, Reliability, Economics, Substation design ... 05006
- Utilities, Electric vehicles, Cost benefit analysis, Fuel technology ... 02345
- Utilities, Loading, Forecasting, Regression analysis ... 06706
- Utilities, Optimal control, Economics ... 08348
- Voltage, Energy consumption, Statistical analysis, Economics, Loading ... 06689
- Wire processing, Insulators, Polyimides, Coatings ... 03891

Electric power generation,
- Adaptive control, Algorithms, Stability ... 08354
- Aggregation, Optimization, Modeling, Dissertation ... 01847
- Alarm systems, Monitoring, Computer aided control, Distributed systems ... 03319
- Algorithms, Loading, Meteorology, Microprocessors, Modeling ... 01861
- Alternators, Cryogenics, Superconductivity, Rotors ... 04252
- Approximations, Modeling, Communication networks, Security, Flow ... 08250
- Automation, Cost benefit analysis, Boilers, Turbines, Automatic control ... 01864
- Batteries, Electric vehicles, Energy storage components, Loading ... 04971
- Boilers, Steam turbines, Control systems ... 01705
- Buses, Generators, Classification, Online systems, Mathematical models ... 04945
- Cables, Thermal variables measurement, Tray covers ... 08223
- Capital investment, Utilities, Solar power generation, Photovoltaics ... 03368
- Charge, Switches, Connectors ... 01754
- Chemical variables control, Electrodialysis, Salts ... 00367
- Circuit breakers, Fault detection, Logic circuits, Superconductors ... 04276
- Circuitry, Integrals, Theorem proving, Vectors, Frequency ... 08770
- Classification, Production planning, Power plants ... 01842
- Coal, Combustion, Fuel cells, Heat transfer, Systems analysis ... 08294
- Coal, Hydrogen, Acids, Electrochemistry, Nuclear energy ... 03323
- Coal, Switchgear, Transformers, Reliability, Auxiliary systems ... 00135
- Cogeneration, Fuel cells ... 08296
- Communication networks, Security, Boundary value problems, Numerical analysis ... 00239
- Computer aided control, Energy conservation, Accounting, Process control ... 01846
- Computer aided control, Loading, Distributed systems, Technology, Economics ... 06684
- Computer aided control, Modeling, Simulation, Performance ... 04889
- Computer aided design, Transmission lines, Safety systems ... 04925
- Conductivity, Channels, Magnetohydrodynamics, Boundary layers ... 00163
- Control systems, Capacitors, Technology, Economics ... 05025
- Control systems, Education, Data collection, Computer aided instruction ... 08346
- Control systems, Nuclear power plants, Downtime, Fault detection ... 00196
- Control systems, Operators, Problem solving ... 06614
- Control systems, Reliability, Costs, Computer aided analysis ... 04966
- Control systems, Security, Monitoring ... 04907
- Controllers, Attenuation, Simulation, Algorithms, Dissertation ... 03302
- Cost benefit analysis, Wind energy, Mathematical models ... 01863
- Coupling, Loading, Flow, Modeling, Dissertation ... 05030
- Cross sectional measurement, Magnetohydrodynamics, Current, Voltage ... 00162
- Cryogenics, Superconductivity, Transmission lines, Energy conversion ... 04262
- Current, Numerical analysis, Buses ... 01873
- Data collection, Performance, Information retrieval ... 00145
- Decomposition, Linear programming, Probability, Reliability, Storage ... 05027
- Demand analysis, Loading, Management, Economics ... 00241
- Diesel engines, Wind turbines, Generators, Performance, Numerical analysis ... 04893
- Dynamic programming, Hierarchies, Loading, Optimization, Operations research ... 06682
- Economics, Technology, Geothermal energy ... 03376
- Eddy current, Generators, Nondestructive testing, Tubes ... 08412
- Education, Computer programs, Displays, Fault tolerance ... 04953
- Education, Curriculum development, Research and development ... 05431
- Education, Laboratories, Modeling, Computer aided control, Simulation ... 05432
- Electric power distribution, Telemetry, Technology ... 04600

ectric power generation, (continued)
Electromagnetics, Transmission lines, Voltage, Hilbert transforms, Modeling 07465
Energy conservation, Heat accumulators 06701
Energy conversion, Inverters, Power systems, Resonance, Dissertation 03378
Energy conversion, Resource management, Coal gasification 06680
Energy, Management information systems 06687
Energy storage components, Petrochemical industry, Power plants, Pressure 05015
Energy storage components, Thermal variables measurement, Solar energy 00204
Estimation, Algorithms, Functions, Numerical analysis 01859
Fiber optics, Multiplexing, Protection, Reliability, Quality control 04915
Flow, Modeling, Voltage, Optimization, Algorithms 01767
Food processing industry, Materials handling 01841
Frequency, Machinery, Wind, Control systems, Transducers 08352
Frequency, Transmission lines, Dissertation 08366
Fuel efficiency, Superconductivity, Product development 04249
Fuels, Coal, Turbines, Natural gas 08317
Fuels, Cost benefit analysis, Estimation, Economics, Dissertation 01849
Generators, Ceramics, Current voltage, Blades, Machinery 04888
Generators, Performance 06557
Geothermal energy, Power plants, Economics, Performance 06699
Grounding, Voltage, Electrical resistivity 03295
Interactive systems, Loading, Modeling, Computer graphics, Microcomputers 03317
Ionizing radiation, Telecommunications, Materials testing 00375
Japan, Energy conversion, Superconductivity 04251
Kenya, Capital investment, Modeling, Dissertation 00233
Least squares estimation, Stability, Problem solving, Matrices 01855
Loading, Economics, Reliability, Probability, Simulation 03316
Loading, Energy conservation, Economics, Control systems 03388
Loading, Flow, Algorithms, Identification, Modeling 04962
Loading, Flow, Transmission lines, Economics, Scheduling 05029
Loading, Forecasting, Simulation, Monte Carlo method, SAM 04964
Loading, Management, Control systems, Modeling, Dissertation 01853
Loading, Management, Systems design, Decision making 00131
Loading, Modeling, Numerical analysis, Industry 05012
Loading, Reliability, Statistical analysis, Energy resources 00080
Loading, Stability, Statistical analysis 08241
Loading, Transients, Stability 03389
Magnetic variables control, Diffusion, Dynamics, Velocity, Numerical analysis 08289
Magnetohydrodynamics, Channels, Size measurement, Optimization 00157
Magnetohydrodynamics, Magnetic variables measurement, Plasmas 01789
Magnetohydrodynamics, Software, Channels 00167
Management, Control systems, Cost benefit analysis, Rural electric cooperatives 08356
Matrices, Robustness, Dynamics, Controllers, Modeling 04955
Measurement, Transverters, Realtime systems 01921
Measurement, Voltage, Capacitors, Transformers, Calibration 04933
Metal oxides, Pollutant detection, Thermal variables control, Surge arresters 03377
Mexico, Nuclear power plants, Costs 01811
Microprocessors, Protection, Synchronization, Fault detection, Winding 06554
Microprocessors, Signal processing, Frequency, Arc furnaces, Control systems 04942
Modeling, Control, Reliability 03404
Modeling, Transformers, Control systems, Flow, Voltage 09162
Modeling, Utilities 01868
Motors, Loading, Modeling, Dynamics, Numerical analysis 06521
Networks, Computer aided control, BECONTROL 30 S 08350
Networks, Electric power transmission, Performance, Reliability 08259
Nuclear energy, Coal, Economics, Modeling, Maintenance 06613
Nuclear energy, Fuels, Military engineering, Weapons 08286
Nuclear energy, Fusion, Research and development 03343
Nuclear power plants, Economics, USSR 01810
Nuclear power plants, Loading, Thermal variables control, Storage 08327
Nuclear power plants, Philadelphia, Environmental impact, Monitoring 00589
Nuclear reactors, Monitoring, Technology 06659
Numerical analysis, Weighting, Least squares estimation, Monitoring 00141
Performance, Controllers, Computer aided control, Microprocessors, Testing 04894
Photovoltaics, Public health, Solar energy, Risk assessment 00221
Photovoltaics, Solar energy, Dispersion 00802
Pipelines, Oil, Generators, Pumps, Batteries 04941
Pipelines, Underwater technology, Energy conversion, Thermal variables control 01840
Planning, Control systems, Book 06705
Planning, Dynamic programming, Expansion planning 06619
Planning, Failure, Economics, Modeling, Utilities 03374
Planning, Mixing, Technology, Optimization, Energy 04892
Planning, Optimization, Finance, Organization and methods, Modeling 06681
Polymers, Voltage, Circuitry, Mathematical models 05564
Power plants, Control systems, Realtime systems 03393
Power plants, Control systems, Reliability, Economics 03313
Power plants, Design 08361
Power plants, Programmable controllers, Reliability, Relays, Logic 04960
Power plants, Reliability, Fault detection 04959
Power plants, Turbogenerators, Boilers, Service life 03265
Power supply, Simulation, Loading, Flow, Networks 00231
Power systems, Current, Voltage, Harmonics, Capacitors 08258
Power systems, Design, Performance, Atmospheric conditions 08270
Power systems, Optimization, Plant and factory layout 00078
Power systems, Performance 08363
Power systems, Photovoltaics, Voltage, Atmospheric conditions, Solar energy 01812
Probability, Flow, Loading, Modeling, Numerical analysis 06615
Probability, Planning, Loading, Reserves, Operations research 00235
Probability, Reliability, Failure, Markov processes, Modeling 03405
Process control, Distributed systems, Loading, Quality control 03387
Process control, Signal processing, Safety, Telemetry, Economics 04603
Production planning, Mirrors, Solar collectors 01825
Production planning, Operations, Optimization 03390
Productivity, Economics, Manufacturing, Steam turbines, Modernization 05021
Protection, Switches, Relays, Microprocessors 04902
Protection, Systems design, Risk assessment 00144

Electric power generation, (continued)
Refrigeration, Solenoids, Cryostats, Superconductivity 04291
Relays, Microcomputers, Transmission lines, Protection, Dissertation 01844
Reliability, Accidents, Simulation, Personnel, Training 01856
Reliability, Computation, Probability, Frequency, Functions 00156
Reliability, Cost benefit analysis, Customer services 00149
Reliability, Costs, Psychology, Customer services 01870
Reliability, Economics, Modeling, Probability, Planning 04916
Reliability, Networks, Loading, Risk assessment 01838
Reliability, Numerical analysis, Algorithms 04957
Resource management, Legislation, Planning, Linear programming, Dissertation 03375
Safety systems, Voltage 04927
Scheduling, Brazil, Modeling 03312
Scheduling, Optimization, Integer programming, Duality, Relaxation 05007
Scheduling, Planning, Thermal variables control, Heuristics, KAPILA model 00240
Scheduling, Security, Economics, Optimization, Automation 01854
Scheduling, Technology, Loading, Control systems, Research and development 04886
Security, Control systems, Monitoring, Pattern recognition, Dissertation 05010
Security, Power systems, Voltage, Downtime 01869
Simulation, Stability, Time measurement, Modeling 04946
Simulation, Wind turbines, Control systems, Generators 06551
Solar collectors, Energy conversion, Storage, Current voltage, Thermodynamics 03371
Solar energy, Construction, Control systems, Data collection 01826
Solar energy, Energy conversion, Dissertation 01835
Solar energy, Energy conversion, Receivers, Testing, Research and development 08329
Solar energy, Energy conversion, Semiconductors, Electrodes 05002
Solar energy, Heating systems, Economics, Computer aided analysis, Simulation 01821
Solenoids, Cryogenics, Fabrication, Soil science 04284
Stability, Control systems, Structural analysis, Numerical analysis 06609
Stability, Load, Flow, Newton Raphson method 08247
Stability, Modeling, Loading, Voltage, Algorithms 08249
Stability, Reliability, Power systems, Systems analysis 01750
Stability, Simulation, Stochastic processes, Computer programs, Reliability 01858
Stability, Switching, Random processes, Probability, Simulation 00152
Stability, Transmission, Reactance, Slip, Identification 03469
Stability, Voltage, Transmission lines, Networks, Numerical analysis 01749
State of the art, Economics 08355
Statistical analysis, Maintenance, Systems analysis 03384
Statistical analysis, Velocity, Wind energy, Turbines, Atmospheric conditions 01839
Storage, Networks, Water, Electrolysis 08371
Structural analysis, Data transmission, Networks, Buses 04944
Sulfur fluoride, Insulators, Signal converters 01719
Superconductivity, Energy conversion, Coil winding machines 04250
Superconductivity, Generators, Fault tolerance, Stability, Cryogenics 04277
Superconductivity, Temperature, Current density, Magnetics 00228
Surface properties, Grounding, Resistance, Image processing, Mapping 04932
Synchronous machines, Superconductors, Research and development 04266
Systems analysis, Performance, Buses 00086
Systems analysis, Reliability, Probability, Bibliography 03407
Systems design, Cost benefit analysis, Photovoltaics 01766
Systems design, Fuel technology, Production planning, Cost benefit analysis 00128
Technology, Utilities, Fuel cells 01850
Telemetry, Systems design, Security, Channels, Technological forecasting 04602
Thermodynamics, Geology, Simulation, Economics 06686
Thermodynamics, Storage, Space heating, Research and development 06674
Transformers, Stability, Resonance, Research and development, Energy conversion 09164
Transmission lines, Calibration, Balancing, Damping, Voltage 01871
Transmission lines, Current, Relays, Mathematical models, Dissertation 05022
Tuning, Stability, Computer aided control 04901
Turbogenerators, Simulation, Finite element method 08171
Utilities, Computer aided control, Ohio Edison Co. 03391
Utilities, Control systems, Atlantic City Electric Co. 03392
Utilities, Control systems, Processors, Security, Interfaces 01857
Utilities, Control systems, Software development 04949
Utilities, Economics, Energy conservation, Dissertation 06700
Utilities, Fault detection, Recording systems, Georgia Power Company 08233
Utilities, Loading, Scheduling 08269
Utilities, Planning, Mathematical models 08347
Utilities, Railway engineering, Electrification, Simulation 01865
Utilities, Reliability, Power failure, Modeling 08237
Utilities, Security, Reliability, Control systems 01867
Voltage, Capacitors, Protection 08185
Voltage, Instrumentation, Radiation, Testing, Simulation 08235
Voltage, Linear programming, Costs, Design 08245
Voltage, Measurement, Testing, Loading, Computer aided analysis 05069
Voltage, Stability, Oscillation, Loading, Flow 00143
Voltage, Wave propagation, Coronas, Attenuation, Lightning 04929
Weighting, Least squares estimation, Reliability, Error, Data processing 00142
Weighting, Loading, Flow, Buses, Problem solving 00150
Wind, Electric power transmission, Automation, Simulation 05026
Wind energy, Generators, Turbines, Performance 08358
Wind energy, Mathematical models, Statistical analysis, Dissertation 00230
Wind energy, Turbines, Production control, Management 08351
Wind, Modeling, Velocity, Meteorology, Turbulence 05379
Wind turbines, Electric power distribution, Performance 08365
Wind turbines, Generators, Reliability, Modeling, Energy 04891
Wind turbines, Velocity, Measurement, Machinery, Performance 04862

Electric power transmission,
Antennae, Illumination, Frequency, Tuning 06433
Branch and bound method, Planning, Loading, Optimization 01762
Cables, Cost benefit analysis, Paper industry, Cogeneration, Energy recovery 01696
Cables, Stress, Crack propagation 08204
Cables, Thermal insulation, Water, Polymers, Service life 04917
Ceramics, Plasticity, Fatigue, Acoustic emissions, Mechanical strength 03305
Cogeneration, Industrial waste disposal, Protection, Waste heat 03299
Compensators, Stability, Power systems 01744

Electric power transmission, (continued)
Computer aided control, Transmission lines, Research and development 04922
Control systems, Estimation, Filters, Security, Random processes 06683
Control systems, Security, Monitoring 04907
Current, Inverters, Voltage, Frequency 06593
Current voltage, Protection, Computer aided control 04351
Current voltage, Superconductivity, Circuit breakers, Switches 04285
Data bases, Software packages, Performance 04926
Electric power distribution, Fiberglass, Poles 08187
Electric power generation, Networks, Performance, Reliability 08259
Electrostatics, Var systems, Saturation 01758
Fault tolerance, Short circuits, Simulation 08181
Frequency, Polarization, Electromagnetic fields, Waveguides 05828
Grounding, Transmission lines, Risk assessment, Computer aided analysis 01035
Hotel industry, Energy consumption, Computer aided control, Programming 03399
Impedance, Grounding, Standards 01922
Induction motors, Voltage, Theoretical analysis 08147
Insulators, Dielectricity, Energy loss 06591
Insulators, Surface properties, Stress, Crack propagation 03424
Kenya, Capital investment, Modeling, Dissertation 00233
Loading, Flow, Optimization, Security, Quadratic programming 04940
Loading, Flow, Terminals, Algorithms, Dissertation 08232
Magnetic fields, Superconductivity, Energy storage components, Damping 04282
Mainframes, Impedance, Relays, Simulation 06621
Mainframes, Protection, Reliability, GE GESP-753 voltage spike protector 07185
Mainframes, Protection, Transients 01877
Measurements, Signal processing, Transmission lines, Circuitry, Metrology 09091
Metering, Instrumentation, Watt/varmeters 00292
Microcomputers, Microelectronics, Architecture, Time measurement 07091
Modeling, Loading, Dissertation 03379
Modeling, Transmission lines, Electric variables control 04911
Networks, Communications, Fiber optics 04554
Networks, Planning, Australia 01777
Numerical analysis, Dissertation, Economic dispatching 00234
Paper industry, Cables, Thermal variables control, Chemical variables control 06576
Planning, Forecasting, Error, Loading, Failure 05016
Polymers, Cables, Soil science, Systems design 02641
Polyolefins, Insulators, Transmission lines, Cables 01746
Power failure, Monitoring, Fault detection 01785
Power plants, Technology, Romania 06577
Power supply, Accelerators 00062
Power systems, Loading, Reliability, Simulation 06616
Power systems, Networks, Hydrothermal units 08260
Propulsion, Energy storage components, Spacecraft, Batteries 03632
Reliability, Control systems, Performance, Failure, Research and development 04905
Reliability, Fiber optics, Local area networks 07719
Satellites, Power systems, Technological forecasting 01848
Simulation, Damping, Fault tolerance 06594
Solenoids, Superconductivity, Energy storage components, Shielding 04286
Synchronous machines, Pumps, Compressors, Drives 03278
Testing, Microwaves, UHV, EHV 08263
Thyristors, Circuitry, Inductors, Circuit breakers, Superconductivity 04289
Transmission lines, Conductors, Fatigue, Vibration, Strain gauges 00708
Transmission lines, Design, Loading, Reliability, Mechanical strength 05818
Transmission lines, Design, Reliability, Failure, Loading 05817
Transmission lines, Electric variables control, Simulation 06567
Transmission lines, Insulators, Contamination, Simulation 04923
Transmission lines, Protection, Fiber optics 06143
Transmission lines, Protection, Monitoring, Multiprocessors 01736
Transmission lines, Underwater technology, Norway 03304
Underground cables, Insulators, Fault detection 01733
Utilities, Computer aided control, Ohio Edison Co. 03391
Utilities, Control systems, Atlantic City Electric Co. 03392
Valves, Sulfur fluoride, Insulators, Thyristors, Cooling systems 01723
Voltage, Transmission lines, Numerical analysis 00087
Wind, Electric power generation, Automation, Simulation 05026

Electric variables control,
Arc furnaces, Current voltage, Stability, Simulation 05808
Bipolar devices, Integrated circuits, Manufacturing, Process development 06018
Capacitors, Power systems, Optimization, Linear programming 06691
Charge, Finite element method 06808
Circuitry, Voltage, Calorimeters, Thermal variables measurement 08418
Coil winding machines, Stress, Thermal insulation, Ageing 00718
Electric power transmission, Transmission lines, Simulation 06567
Energy, Absorption, Conduction, Human exposure 05292
Energy conversion, Machinery, Stress, Modeling, Education 06509
Equipment, Cement industry 03401
Frequency control, Lasers, Computer aided control, Microcomputers 07341
Frequency, Spectrometers, Oscillators, Tuning 03861
Gas lasers, Carbon dioxide, Injection, Mathematical models 07391
Gases, Metals, Oxidation, Conductivity, Sensors 07506
Impedance, Transmission lines, Cross sectional control 04306
Induction machines, Synchronous machines, Direct current machines 03266
Induction motors, Thermal insulation 08146
Loading, Drives, Induction motors, Microprocessors 06528
Machinery, Eddy current, Modeling, Finite element method 06765
Machinery, Power systems, Current voltage, Automatic control, Microprocessors 03314
Magnetic variables control, Metals, Crack propagation, Macrocrack healing 03423
Magnetohydrodynamics, Generators 06625
Measurement, Switching, Voltage, Instrumentation, Design 06588
Mechanical variables control, Compressors, Induction motors 03289
Metal oxide semiconductors, Field effect transistors, Thermodynamics, Channels 09210
Microelectronics, Voltage, Simulation, Isolation structures 09275
Military aircraft, Reliability, Flight control systems 08579
Modeling, Electric power transmission, Transmission lines 04911
Modeling, Power systems 04958

Electric variables control, (continued)
Monte Carlo method, Simulation, Current voltage 065
Motors, Rotors, Energy recovery, Drives, Control systems 065
Motors, Torque, Reliability, Maintenance, Pipe cage motors 065
Optimization, Voltage 058
Petrochemical industry, Thermal insulation, Corrosion resistance, Circuitry 055
Power systems, Loading, Reliability, Simulation 066
Power systems, Scheduling, Linear programming 082
Propulsion, Magnetic variables control, Machinery, Numerical analysis 058
Robots, Mechanical handling, Resistance welding 085
Sensors, Alloys, Nickel, Iron, Materials testing 043
Simulation, Electromagnetics, Pulses 048
Surges, Armature, Voltage, Coil winding machines, Modeling 017
Surges, Lightning, Traveling waves, Transmission lines, Impedance 017
Synchronous machines, Loading 081
Synchronous machines, Simulation, Short circuits 048
Thermal insulation, Cables, Spacecraft, Pressure, Materials testing 065
Thermodynamics, Simulation, Finite element method, Finite difference method 074
Thin films, Displays, Voltage, Circuitry, Failure 088
Torque, Induction motors, Pumps, Velocity, Research and development 049
Transducers, Nondestructive testing, Simulation 075
Transmission lines, Loading, Simulation, Waves, Computer programs 058
Turbogenerators, Automatic control, Power plants, Reliability 049
Voltage, Frequency, Induction motors 032
Voltage, Power systems, Linear programming 081
Wind turbines, Stability, Simulation 082

Electric variables measurement,
Ageing, Transformers 065
Atmospheric conditions, Computer aided analysis, Microcomputers, Intel 8085A 034
Biology, Electric fields, Data collection 084
Biomedical engineering, Frequency, Moisture, Bones 070
Cables, Thermal insulation, Stress, Polymers, Materials testing 049
Capacitance, Inductance, Modular design, Integrated circuits 060
Computer programs, Finite element method, Magnetic variables measurement 066
Computer programs, Modeling, Metal oxide semiconductors, Integrated circuits 075
Contacts, Charge, Dust, Adhesion 050
Control systems, Servomechanisms, Memory, Resistance 035
Data collection, Microprocessors, Kemitron K2000E 051
Displays, Image processing, Current voltage, Design, Research and development 088
Drives, Controllers, Design, Induction motors 048
Drives, Torque, Modeling, Velocity, Numerical analysis 048
Electrochemistry, Energy storage components, Carbon dioxide, Absorption 018
Electrodes, Neurophysiology, Recording systems, Research and development 053
Electrostatics, Capacitance, Sensors, Instrumentation, Force 067
Filters, Televisions, Computer aided control 003
Gallium arsenide, Field effect transistors, Density, Logic circuits, Simulation 075
Generators, Voltage, Frequency, Switches, Furnaces 092
Geodesy, Nondestructive testing, Water pollution, Conductivity 021
Glow discharge, Thermal variables measurement, Impedance 026
Heat exchangers, Flow of liquids, Magnetic variables measurement, Stability 084
Heterostructures, Photodiodes, Voltage 007
Hydrocarbon processing, Dispersion, Structural analysis, Surface properties 050
Hydrodynamics, Incompressible flow, Rotating bodies, Magnetohydrodynamics 001
Induction motors, Modeling, Rotors, Numerical analysis, Reliability 048
Induction motors, Pumps, Oil wells, Thermal insulation, Cables 050
Inspection, Materials testing, Magnetic variables measurement, Current 072
Instrumentation, Circuitry, Frequency 0841
Locomotives, Drives, Adhesion, Transmission systems, Modeling 0487
Magnetic variables measurement, Eddy current, Steel, Nondestructive testing 067
Magnetic variables measurement, Entropy, Thermodynamics, Numerical analysis 002
Magnetohydrodynamics, Generators, Boundary layers, Modeling 049
Mathematical models, Cytology, Neurology, Impedance, Vision 053
Mathematical models, Neurophysiology, Networks, Cytology, Structural analysis 053
Metal oxide semiconductors, Field effect transistors, Thermodynamics, Testing 092
Metals, Flow, Boundary layers, Magnetic variables measurement 051
Metrology, Reliability, Precision engineering 088
Metrology, Vibration, Remote sensing, Antennae 086
MHD generators, Electrodes, Flow, Numerical analysis 049
Microprocessors, Meteorology 053
Microprocessors, Wattmeters 067
Nondestructive testing, Harmonics, Hardening, Transducers 010
Optics, Transducers, Voltage 074
Polymers, Thermal insulation, Flames, Ceramics, Circuitry 065
Power plants, Metrology 0827
Radiation, Thermodynamics, Flow of gases, Turbulence 090
Railway engineering, Propulsion, Electromagnetics, Emissions control 037
Space stations, Satellites, Amplitude, Frequency 036
Structural analysis, Elasticity, Crack propagation, Statics, Numerical analysis 050
Structural analysis, Resistors, Dissertation 007
Surges, Wave propagation, Traveling waves, Fault detection, Transmission lines 017
Thermal variables measurement, Capacitance, Solids, Dilatometer 084
Thermal variables measurement, Piezoelectricity, Acoustics, Fabrication 042
Voltage, Transducers, Computer aided analysis 0070

Electric vehicles,
Batteries, Energy storage components, Loading, Electric power generation 0497
Batteries, Harmonics, Current, Charging 0178
Dissipation, Charge carriers, Voltage, Computer aided design, Batteries 0018
Logic circuits, Systems design, Programming languages, State machines 0205
Microcomputers, Computer aided control, Thermal variables control, Dynamometers 0234
Microprocessors, Control systems, Lift trucks 0044
Motors, Propulsion, Simulation 0653
Power supply, Loading, Production planning 0062
Propulsion, Control systems, Microcomputers, Intel 8086 0710
Propulsion, Energy consumption, Motors, Research and development 0327
Service vehicles, Magnetic variables control, Motor vehicle suspension 0061
Systems analysis, Technological forecasting, Product development 0234

lectric vehicles, (continued)
- Technology, Research and development, Finance, Planning, Testing 05430
- Utilities, Electric power distribution, Technological forecasting 02345

lectrical conductivity,
- Aluminum gallium arsenide, Lasers, Capacitance voltage, Frequency 08979
- Bipolar transistors, Current voltage, Emitters, Doping, Diffusion 07568
- Carbon, Fibers, Graphitization, Mechanical strength, Power systems 06579
- Cathodes, Fuel cells, Carbonate, Zinc oxide, Lithium ferrate 08320
- Conductivity, Electromagnetic waves, Charge density 00030
- Cylinders, Dielectric constants, Scattering, Electromagnetic fields 03203
- Dielectric permittivity, Bones, Impedance, Frequency 07014
- Dipoles, Image processing, Electromagnetic fields 01613
- Electromagnetic fields, Polarization, Minerals and ores, Geodesy 03219
- Erbium fluoride, Thin films, Capacitors, Temperature, Film growth 08854
- Filters, Control systems, Current, Voltage, Motors 01751
- Flow of liquids, Porous materials, Magnetic variables control 08285
- Gallium arsenide, Aluminum arsenide, Mixed crystals, Scattering 04374
- Heterostructures, Simulation, Monte Carlo method, GaAs-GaAlAs 05926
- Inversions, Logic circuits, Insulators, Field effect transistors 02773
- Inverters, Electrical resistivity, Modeling 03467
- Magnetohydrodynamics, Generators, Voltage, Temperature, Performance 08288
- Measurement, Eddy current, Magnetic fields 01928
- Melting, Eddy current, Metals 00300
- MOSFET, Transistors, Polysilicon, Channels 05956
- Numerical analysis, Electrostatics 03488
- Phthalocyanine, Films, Nitrogen dioxide, Adsorption, Sensors 03541
- Polyethylene, Oxidation, Charge carriers, Injection 05148
- Polyphenylacetylene, Doping, Semiconductors, Dissertation 06726
- Polysilicon, Doping, Thermionic emissions, Field emissions, Space charge 07457
- Polysilicon, Piezoelectricity, Thermionic emission, Dissertation 05815
- Resonators, Dielectric constants, Frequency 04323
- Semiconductors, Cathodes, Emissions, Oxygen 05582
- Signal converters, Amplitude, Semiconductors, Harmonics 02694
- Spinels, Thermal variables measurement, Stoichiometry, Stability 06881
- Structural analysis, Carrier mobility, Semiconductors, Electric fields 01127
- Thermal variables measurement, Materials testing, Decomposition 00315
- Thermal variables measurement, Metal oxide semiconductors, Gases, Sensors 08419
- Tin dioxide, Temperature, Gases, Sensors 03542
- Titanium, Alloys, Eddy current, Excitation 04348
- Topology, Switching, Converters, Magnetic variables control, Logic circuits 04327
- Transition metals, Oxidation, Thermogravimetry, X-ray diffraction 06880
- Tungsten, Thrusters, Insulators, Thermal variables measurement 08845
- Zinc oxide, Single crystals, Gases, Sensors 03545

Electrical discharge machining,
- Electrodeposition, Current density, Pulse generation, Metals 00284
- Process development, Lasers, Metallurgy 01001

lectrical resistance,
- Charge carriers, Numerical analysis, Impedance 01926
- Commutation, Power systems, Impedance, Bridges, Inductance 03310
- Cryogenics, Temperature, Current voltage, Tunnel junctions 02614
- Current, Electric fields 01946
- Earth electrodes, Grids, Computer aided analysis 06592
- Field effect transistors, Metal oxide semiconductors, Carrier mobility, Drain 01927
- Hall effect, Semiconductors, Doping, Temperature, Transport properties 06883
- Interfaces, Semiconductors, Carrier mobility 01925
- Mathematical models, Current, Diffusion processes, Superconductors 04210
- Metal oxide semiconductors, Current voltage, Transistors, Temperature 04440
- Metallization, Lifetimes, Electromigration, Integrated circuits 06060
- Silicon, Contacts, Impedance, Performance 09304
- Superconductors, Integrated circuits, Bridges, Microelectronics 04108
- Thermistors, Pressure, Thermal variables measurement 07572
- VDMOS, Power transistors, Surface structure 04435
- Voltage, Output, Potentiometers, Numerical analysis 07183

lectrical resistivity,
- Automatic testing, Concrete 05071
- Channels, Integrated circuits, Metal oxide semiconductors, Carrier mobility 04410
- Conductivity, Water pollution, Nondestructive testing, Geodesy 02167
- Contact resistance, Organic compounds, Film growth, Printed circuit boards 05560
- Contacts, Interfaces, Metal oxide semiconductors, Modeling, Integrated circuits 02857
- Contacts, Semiconductors, Friction, Surface properties, Aluminum, Silicides 03468
- Copper chloride, Intercalation compounds, Carbon, Temperature 05563
- Copper sulfide, Sputtering, Film growth, Solar cells, X-ray diffraction 05652
- Cryogenics, Polymers, Steel, Book 07446
- Electrons, Transport properties, Aluminum, Thin films 03471
- Impedance, Computer aided analysis, Mathematical models, Inductance 04267
- Inverters, Electrical conductivity, Modeling 03467
- Junctions, Photodiodes, Evaporation 00772
- Measurement, Electric fields, Semiconductors 05072
- Metal oxide semiconductors, Channels, Performance, Boron, Doping, CMOS 05977
- Metal oxide semiconductors, Pn junctions, Contacts, Sintering, Silicon 02825
- Ohmic contacts, Fabrication, Gallium arsenide, AuGe/Ni 06019
- Power supply, Dissipation, Solar cells 02498
- Power systems, Solar cells, Networks, Loading 03934
- Silicon, Aluminum, Contacts, Doping, Transmission lines 05074
- Standards, Voltage, Grounding 03295
- Superconductivity, Voltage, Switching, Josephson junctions, Simulation 04150
- Switching, Parallel networks, Resistors 07166
- Temperature, Polysilicon, Grain boundaries, Current voltage, Doping 05902
- Transmitters, Receivers, Soil science, Remote sensing, Minerals and ores 03698
- Waste heat, Metal oxide semiconductors, Charge carriers, Power systems 04391
- Waveguides, Pulse generation, Microwaves, Diodes 03245
- Wear, Electroplating, Palladium, Gold, Contacts 03885
- Zinc oxide, Varistors, Grain boundaries, Sintering 07245

lectricity,
- Electromagnetic fields, Charge carriers 03216

Electroacoustics,
- Calibration, Reliability, Audio systems, Dissertation 06859

Electrocardiograms,
- Biomedical engineering, Data compression, Algorithms, Approximations, Error 05310
- Biomedical engineering, Monitoring, Waves, Cardiovascular system 02150
- Biomedical engineering, Signal processing, Data collection, Coding 05308
- Cybernetics, Biology, Data collection 05309
- Noise, Waves, Numerical analysis 07009

Electrochemical machining,
- Cutting, Refractories, Metals, Sawing 01805

Electrochemical reactions,
- Cells, Design, Electrolytes, Energy storage components 08306
- Copper, Electrodes, Concentration, Temperature 08315
- Energy conversion, Cells, Current density, Voltage 08301
- Mercury, Electrodes, Deposition 08314
- Nickel, Ageing, Sintering 08310
- Nickel, Electrodes, Energy conversion, Energy storage components 08307
- Polymerization, Doping, Charge, Storage, Poly(thiophene) 08501
- Stability, Reactors, Modeling, Computer aided analysis 08309

Electrochemistry,
- Anodes, Voltammetry, Current density 00183
- Bridges, Fuel cells, Thermal variables measurement 03340
- Capacitors, Aluminum, Dielectricity, Current voltage, Leakage current 04359
- Combustion, Catalysts, Electrodes, $Me^{I}Me_2^{II}S_4$ 05139
- Desalination, Electrodialysis, Process control 02319
- Diffusion, Porosity, Electrodes 01799
- Diodes, Thyristors, Rectifiers, Power supply 08311
- Discharges, Batteries, Graphite, Electrodes 03337
- Electrochemical reactions, Nickel oxide, Electrodes, Open circuit voltage 06671
- Electrodialysis, Process development 02318
- Energy storage components, Electric variables measurement, Carbon dioxide 01801
- Energy storage components, Fuel cells, Electrodes, Lead dioxide, Acids 01800
- Fuel cells, Polarization, Charge, Calcium, Electrolytes 00186
- Fuel cells, Thermal variables measurement, Graphite, Bromine, Electrodes 03338
- Geodesy, Signal processing, Charge, Petrochemical industry 02187
- Graphite, Charge carriers, Capacitance 03553
- Hydrodynamics, Electrodialysis, Fabrication 02324
- ISFET, Field effect transistors, Charge, Sensors 04426
- Lithium, Salts, Electrodes 00185
- Modeling, Wave propagation, Structural analysis 00517
- Paper industry, Inspection, Magnetic variables measurement, Kinematics 02657
- Semiconductors, Photovoltaics, Energy conversion, Numerical analysis 01114
- Solar cells, Contacts, Metallization, Degradation 05654
- Structural analysis, Batteries, Fuel cells, Coatings, Teflon 00184
- Volume measurement, Salt, Systems design, Electrodialysis 02323
- Wastewater treatment, Particulates, Reactors, Fluidized bed processing 08313

Electrodeposition,
- Black chrome, Solar energy, Absorption, Optical properties 03370
- Charge density, Surface properties, Electrodes, Capacitance 00175
- Coatings, Palladium, Thickness control 05552
- Crystal growth, Chromium nitride, Photovoltaics, Solar collectors 02516
- Electrical discharge machining, Current density, Pulse generation, Metals 00284
- Electroforming, Vacuum technology, Metal insulator metals, Negative resistance 03473
- Logic circuits, Metal insulator semiconductors, Fabrication 01150
- Nickel, Alloys, Iron, Electrochemical reactions, X-rays 03332
- Semiconductors, Ohmic contacts, Solar cells 00786
- Steel, Coatings, Copper, Nickel, Corrosion 03555

Electrodes,
- Anemometry, Doppler shift, Lasers, Velocity, Particles, Arcs 02619
- Arc melting, Casting, Materials recovery, Vacuum technology 01890
- Arcs, Melting, Erosion, Surface properties, Copper 07458
- Arcs, Thermionic emission, Temperature, Current density 07456
- Arcs, Velocity, Vacuum technology, Magnetic fields, Induction 09070
- Batteries, Corrosion, Current density, Thickness measurement 00181
- Batteries, Energy storage components, Current voltage 03328
- Batteries, Energy storage components, Fabrication, LiAl/FeS 01802
- Batteries, Graphite, Conductivity, Impedance 00172
- Breakdown, Batteries, Magnesium 00176
- Breakdown, Spark gaps, Insulators, Magnetohydrodynamics 00161
- Bromine, Graphite, Fuel cells, Electrochemistry, Thermal variables measurement 03338
- Cadmium mercury sulfide, Thin films, Performance, Solar cells 02502
- Cadmium selenide, Luminescence, Polarization, Spectral analysis 03954
- Capacitance, Electrodeposition, Charge density, Surface properties 00175
- Capacitors, Microwaves, Heat treatment, Biomedical engineering 06464
- Carbon, Cells, Energy storage components 03340
- Carbon, Impurities, Solar cells, CdS/CdTe 05622
- Cathode ray tubes, Color, Televisions, Lenses, Computer aided design 02954
- Cathodes, Design, Osmium, Coatings, Emissions 08858
- Cathodes, Electrooptics, Lenses, Aberration 08916
- Cathodes, Emissions, Electrical conductivity, Semiconductors, Oxygen 05582
- Cathodes, Polymers, Lithium, Primary cells 08299
- Cathodes, Scandium oxide, Doping, Surface properties 07250
- Cathodes, Thermal variables measurement, Magnetic fields 06716
- Cells, Design, Electrolytes, Lithium thionyl chloride 04975
- Cells, Lasers, Discharges, Optogalvanic spectroscopy 07348
- Cesium, Plasmas, Displays, Breakdown, Voltage 08863
- Coatings, Semiconductors, Sensors 02002
- Cobalt, Acetate, Concentration, Capacitance, Impedance 07251
- Cobalt, Coatings, Phosphates 03904
- Copper, Concentration, Temperature, Electrochemical reactions 08315
- Corrosion, Lead, Sulfur acid, Voltammetry, Batteries 08312
- Current, Arcs, Ignition 01756
- Current density, Anodes, Voltammetry 00183
- Current, Optical devices, Materials planning and control, Integrated circuits 02781
- Current, Plasmas, Arcs, Magnetic fields 09072
- Current, Polarization, Corrosion, Simulation 00260

Electrodes, (continued)
- Current voltage, Plasmas, Electromagnetic waves, Probes 00033
- Data collection, Current, Decay, Capacitance, Electrical double layer 00370
- Design, X-rays, Metals, Ceramics, Rotalix 06742
- Dielectrics, Measurement, Discharges, Voltage 09177
- Discharges, Arcs, Vacuum technology, Current, Vacuum technology 09073
- Discharges, Current density, Ionization, Corrosion 09078
- Discharges, Gases, Pressure, Electrostatics, Stability 09076
- Discharges, Protective circuits, Spark gaps, Electrostatics, Pneumatic systems 03883
- Discharges, Spark gaps, Helium, Ionization 07460
- Displays, Fabrication, Structural analysis, Voltage 08896
- Dry cells, Polarization, Potentials, Corrosion, Quality control 06650
- Earth electrodes, Grids, Electrical resistance, Computer aided analysis 06592
- Earth electrodes, Mathematical models, Computer aided analysis 06583
- Electrochemistry, Catalysts, Combustion, $Me^{I}Me_2^{II}S_4$ 05139
- Electrolytes, Performance, Fluorescence, Wavelengths, Solar cells 01792
- Epoxy resins, Dielectricity, Discharges, Surface properties 01102
- Flow, MHD generators, Electric variables measurement, Numerical analysis 04970
- Fuel cells, Energy conversion, Performance 06649
- Fuel cells, Kinematics, Energy storage components, Electrolytes, Oxidation 01796
- Fuel efficiency, Fuel cells, Voltage, Dissipation 01806
- Gas lasers, Optics, Radiation, Amplification 09015
- Graphite, Batteries, Discharges, Electrochemistry 03337
- Grounding, Impedance, Current, Injection 08360
- Interrupters, Circuitry, Voltage, Fuses 08190
- Lead dioxide, Acids, Electrochemistry, Energy storage components, Fuel cells 01800
- Lenses, Design, Electrooptics, Ion microprobes 07315
- Magnetic fields, Arcs, Vacuum technology, Plasmas 09071
- Magnetic variables control, Flow, Channels, Measurement 05581
- Mercury, Deposition, Potentials, Electrochemical reactions 08314
- Mercury, Impedance, Frequency, Capacitance 03472
- Metal insulator metals, Negative resistance, Pressure, Electroforming 03473
- Modeling, Fuel cells, Electrolytes, Melts 08302
- Molybdenum, Sputtering, Diodes, Trapping 09198
- Neurophysiology, Electric variables measurement, Recording systems 05325
- Nickel, Coatings, Charge, Thermal variables measurement 08308
- Nickel, Energy conversion, Energy storage components, Electrochemical reactions 08307
- Nickel, Fabrication, Energy storage components, Batteries 08300
- Nickel hydroxide, Crystal growth, Structural analysis, Performance 06653
- Nickel oxide, Electrochemical reactions, Open circuit voltage 06671
- Nickel, Performance, Degradation 06654
- Nickel, Sintering, Stress, Fatigue 08335
- Photovoltaics, Semiconductors, Energy conversion, Modeling, Dissertation 05607
- Plasmas, Perturbation, Ionization, Recombination 04297
- Polarization, Electrodialysis, Service life, Desalination 02321
- Polythiophene, Films, Energy storage components, Batteries 01793
- Porosity, Diffusion, Electrochemistry 01799
- Potentials, Electrostatics, Charge, Voltage, Symmetry 00123
- Potentials, Polarization, Defects, Metals, Alloys 05142
- Potentiometers, Fabrication, Coatings, Dissertation 01918
- Power supply, Fuel cells, Fabrication, Carrier capacity 00189
- Pressure, Friction, Electrolytes, Band gaps 01798
- Proximity effect, Bridges, Junctions, Superconductivity, SN-N-NS 05800
- Pulse generation, Neurology, Electrophysiology 00530
- Recording systems, Videodisks, Capacitance, Signal processing, Audio systems 02600
- Salts, Lithium, Electrochemistry 00185
- Semiconductors, Coatings, Fuel cells, Photoelectrochemistry 00182
- Semiconductors, Composite materials, Copper, Carbon 05937
- Semiconductors, Solar energy, Energy conversion, Electric power generation 05002
- Short circuits, Fault detection, Channels, Magnetohydrodynamics 00166
- Solar cells, Design, Fabrication, Thin films, CdS/CdTe 07282
- Solar cells, Molybdenum selenide, Surface properties, Recombination 05605
- Space charge, Electron beams, Electric fields, Modeling 08445
- Spark gaps, Voltage, Breakdown 00095
- Spark gaps, Voltage, Breakdown, Transformers 01087
- Superconductivity, Silicon, Schottky diodes, Lithography, Etching 04382
- Surface acoustic waves, Wave propagation, Piezoelectricity, Quartz 01967
- Surface properties, Arcs, Melting, Vacuum technology 09074
- Thermal variables measurement, Photoelectrochemistry, Fuel cells 03942
- Titanium, Coatings, Corrosion prevention, Chlorate cells 03341
- Transistors, Charge carriers, Injection, Heterojunctions 07569
- Transmission lines, Current, Lightning, Conductors, Grounding 01725
- Vanadium oxide, Voltage, Fuel cells 00180
- Voltage, Contamination, Insulators, Charge 01774
- YAG lasers, Switching, Dissertation 00925
- Zinc, Cells, Discharges, Energy storage components 08303

Electrodialysis,
- Chemical variables control, Electric power generation, Salts 00367
- Desalination, Electrochemistry, Process control 02319
- Electrochemistry, Process development 02318
- Hydraulic control equipment, Mass transfer, Process development, Desalination 02320
- Hydrodynamics, Electrochemistry, Fabrication 02324
- Process development, Mass transfer, Hydrodynamics, Desalination 02322
- Systems design, Salt, Volume measurement, Desalination 02323

Electrodynamics,
- Eigenfunctions, Orthogonality, Boundary value problems 08064
- Resonance, Waveguides, Cross sectional measurement, Numerical analysis 06424

Electroencephalograms,
- Biomedical engineering, Modeling 03679
- Measurement errors, Signal to noise ratio, Filters, Adaptive control 00524
- Neurophysiology, Acoustics, Filtering, Software development 05318
- Psychology, Biomedical engineering, Computer aided analysis, Time series 05314

Electroluminescence,
- Degradation, Gallium phosphide, Light emitting diodes, Visible range 03961
- Dielectrics, Displays, Thin films, Zinc sulfide 03957
- Diodes, Semiconductors, Fabrication 01119

Electroluminescence, (continued)
- Heterostructures, Light emitting diodes, Thin films, Si/ZnS:Mn 0081
- Manganese, Degradation, Emitters 0081
- Metal insulator semiconductors, Evaporation, Degradation, CdF_2:Mn, Y 0567
- Polyethylene terephthalate, Electrons, Injection, Voltage, Space charge 0568
- Silicon carbide, Schottky diodes, Deformation, Band gaps 0755
- Thickness measurement, Zinc sulfide, Voltage 0081
- Thin films, Displays, Electrons, Irradiation, Excitation 0567
- Thin films, Displays, Structural analysis, Zinc sulfide 0567
- Thin films, Illumination, Amplifiers, Photodevices 0396
- Thin films, Zinc sulfide, Excitation, Charge 0567
- Voltage, Storage, Memory, Erasing 0081
- Zinc sulfide, Films, Doping, Manganese, Chemical vapor deposition 0081

Electrolysis,
- Current, Capacitors 0389
- Data collection, Online systems, Regression analysis 0513
- Mining, Loading, Thyristors, Harmonics 0178
- Protection, Voltameters, Corrosion prevention, Lubricants 0346
- Water, Electric power generation, Storage, Networks 0837

Electrolytes,
- Batteries, Energy storage components, Fabrication, LiAl/FeS 0180
- Cells, Design, Electrochemical reactions, Energy storage components 0830
- Cerium oxide, Batteries, Performance, Thermodynamics 0017
- Electrodes, Performance, Fluorescence, Wavelengths, Solar cells 0179
- Electrodes, Pressure, Friction, Band gaps 0179
- Energy bands, Interfaces, Insulators, Voltage, Sensors 0072
- Fuel cells, Propulsion, Materials testing, Research and development 0831
- Interfaces, Semiconductors, Solar cells, Performance, Dissertation 0728
- Melts, Electrodes, Modeling, Fuel cells 0830
- Moisture measurement, Insulators, Conductors 0175
- Surface properties, Current, Flashover 0178

Electromagnetic fields,
- Acoustics, Harmonics, Magnetic fields, Elastic waves, Excitation 0160
- Antennae, Reflectors, Structural analysis, Current 0166
- Antennae, Sensors, Polarization, Frequency, Poynting vectors 0649
- Cavities, Microwaves, Electron beams, Cross sectional measurement 0004
- Circuitry, Wave propagation 0244
- Compressors, Refrigeration, Motors, Systems design, Dissertation 0168
- Containers, Process development, Space technology 0246
- Current, Oscillation, Electric fields, Size of plate 0642
- Current, Radiation 0678
- Current voltage, Spectrometers, Stability 0348
- Dielectrics, Imaging 0803
- Distortion, Irradiation, Phase shifts, Radio frequency, Transmission lines 0320
- Electrical conductivity, Polarization, Minerals and ores, Geodesy 0321
- Electricity, Charge carriers 0321
- Electron beams, Energy, Born approximations 0642
- Ellipsoids, Shape measurement, Wave propagation 0194
- Ferromagnetics, Elastic waves 0194
- Flowmeters, Hematology, Sensitivity 0052
- Furnaces, Fluid mechanics, Turbulent flow 0070
- Green equations, Symmetry, Wave propagation 0162
- Gyrotrons, Resonators, Oscillators, Charge, Modeling 0647
- Helical antennae, Dipole antennae, Numerical analysis 0648
- Hydrocarbon processing, Desalination, Distillation 0017
- Image processing, Electrical conductivity, Dipoles 0161
- Inductance, Conductors, Voltage, Transmission lines 0071
- Inspection, Coatings, Packaged components, Nondestructive testing 0061
- Magnetic variables measurement, Finite element method, Computer graphics 0683
- Magnetostatics, Magnetic variables control, Computational analysis 0681
- Mathematical models, Theoretical analysis, Helicity 0845
- Metals, Polarization, Elasticity, Resonance 0751
- Meteorology, Attenuation, Atmospheric conditions 0163
- Numerical analysis, Microstrips, Resonators 0912
- Optical systems, Image processing, Wave propagation 00885
- Oscillators, Harmonics, Statistical analysis 01606
- Photodevices, Detectors, Radiation, Infrared, Thin films 00275
- Potentials, Ultrasonics, Excitation, Transducers 08456
- Pulses, Radiators, Optimization, Antennae 03249
- Quantum physics, Optical analysis 00017
- Ramjets, Propulsion, Rocket engines, Acceleration, Eletrothermal devices 02106
- Research and development, Mathematical models 03204
- Resonators, Numerical analysis, Langrangians 08444
- Resonators, Oscillation, Structural analysis, Radio frequency 06477
- Safety, Atmospheric conditions, Degradation, Nuclear energy 00027
- Scattering, Dielectric constants, Cylinders, Electrical conductivity 03203
- Scattering, Maxwell equations, Frequency, Polarization, Dissertation 08004
- Scattering, Transmission lines, Plane waves 03208
- Semiconductors, Plasmas, Transport properties, Microwaves, Wave propagation 03231
- Spectroscopy, Josephson junctions, Superconductivity 04120
- Transducers, Conductors, Eddy current, Rods 02656
- Transmission lines, Acoustics, Mapping, Minerals and ores 03218
- Vacuum technology, Maxwell equations 08032
- Valves, Electron beams, Pulse generation, Pressure 00268
- Volume, Green functions, Experimental design, Singularities 01618
- Wave propagation, Energy conservation, Reciprocity, Mathematical models 01622
- Wave propagation, Mathematical models, Huygens principle, Maxwell equations 08007
- Wave propagation, Maxwell equations, Ionosphere, Troposphere 00317
- Wave propagation, Numerical analysis, Quantum mechanics, Polarization 08008
- Wave propagation, Rotating bodies, Modulation 01664
- Waveguides, Electric power transmission, Frequency, Polarization 05828
- Waveguides, Wave propagation, Signal processing, Classification, Microwaves 03477

Electromagnetic waves,
- Acoustics, Microelectronics, Optics, Microwaves, Sensors 03526
- Acoustics, Piezoelectricity, Semiconductors, Plasmas, Indium antimonide 04824
- Antennae, Ships, Radiation, Signal transmission 01654

ctromagnetic waves, (continued)
rcs, Anodes, Vacuum technology 06448
tmospheric conditions, Frequency, Radiometers, Microwaves 04821
tmospheric conditions, Polarization, Signal processing, Communications 02890
ttenuation, Optical communications, Fiber optics 06135
andwidths, Horn antennae, Voltage 04854
harge carriers, Tantalum sulfide, Noise, Density 00376
omputed tomography, Ultrasonics, Rotating bodies, Dissertation 06845
onductivity, Phonons, Charge density 00030
urrent density, Resonators 02653
ensity, Energy bands, Conductivity, Semiconductors 00022
ielectric constants, Plane waves, Scattering, Dissertation 03217
iffraction, Wave propagation, Numerical analysis, Dissertation 00019
iffraction, Wave propagation, Waveguides, Computer aided analysis 06415
ynamics, Scattering, Signal processing 04820
lectron gases, Charged particles, Spectral analysis 04812
lectrostatics, Piezoelectricity, Semiconductors, Plasmas, Energy conversion 03228
xcitons, Photons, Lasers, Harmonics, Superconductors 04000
requency, Piezoelectricity, Quartz, Vibration 01031
eomagnetism, Turbulent flow, Plasmas 03229
Horn antennae, Error, Diffraction 04813
mpedance, Antennae, Receivers, Amplifiers 06505
mpedance, Grounding, Induction, Insulators 04823
mpedance, Wave propagation, Tilt measurement, Trapping 01620
Magnetostatics, Turbulent flow, Astrophysics 03201
Mapping, Video systems, Pulse generation, Radar, Dissertation 07018
Modeling, Scattering, Current 03209
Modeling, Scattering, Surface roughness, Dissertation 06412
Noise, Admittance, Carrier mobility, Transistors 01174
Numerical analysis, Polarization, Wave propagation, Scattering 00016
Oceanography, Acoustics, Wave propagation, Sonar 02275
Oceanography, Microwaves, Salinity, Wavelengths 02273
Perturbation, Scattering, Numerical analysis 00011
Perturbation, Velocity, Radiation, Charge 06430
Plasmas, Cyclotrons, Radio frequency, Current, Dissertation 00302
Plasmas, Signal processing, Cross sectional measurement, Digitizing 03226
Plasmas, Wave propagation, Electric fields, Stability 08059
Power, Measurement, Calorimetry, Digital to analog converters 06776
Probes, Plasmas, Current voltage, Electrodes 00033
Pulse generation, Electrostatics, Discharge, Saturn 00583
Pulse generation, Radio frequency, Radio astronomy, Infrared 00279
adar, Ice, Backscattering, Polarization, Reflectivity 01633
Radio astronomy, Magnetic fields, Radio frequency, Jets 00585
Radio astronomy, Radio frequency, Telescopes 00272
Radio frequency, Cyclotrons, Resonance, Magnetic fields 00271
Radio frequency, Radio astronomy, Spectral analysis, Dissertation 00581
Radio frequency, Scattering, Plasmas, Gas lasers, Dissertation 00973
Radioastronomy, Interferometry, Millimeter waves, Detectors, Mapping 04710
Reflection, Interfaces 03207
Reflection, Wave propagation 06417
Reflection, Wave propagation, Amplification, Atmospheric conditions 06445
Rotating bodies, Thickness measurement, Leak detection, Current, Dissertation 00364
Rotating bodies, Waveguides, Cross sectional measurement, Energy bands 01060
Scattering, Focusing, Polarization 00014
Scattering, Hydrometeors, Numerical analysis, Communications 04818
Scattering, Loop antennae, Remote sensing 03258
Scattering, Perturbation, Current, Cylinders 06421
Scattering, Precipitation, Wave propagation 01610
Scattering, Radar, Symmetry, Reflection 06300
Scattering, Surface properties, Conductivity 00012
Scattering, Surface properties, Wave propagation 01614
Scattering, Wave propagation, Cross sectional measurement 00018
Scattering, Wave propagation, Dielectrics, Numerical analysis 06435
Scattering, Waveguides, Filters 04307
Seismology, Diffraction, Tomography, X-rays 03701
Signal converters, Wave propagation, Plasmas, Electron beams 00034
Signal processing, Atmospheric conditions, Numerical analysis 03227
Signals, Interference, Radio frequency, Atmospheric conditions 00028
Solar energy, Geomagnetism, Current 03703
Surface properties, Polaritons, Amplification, Current, Silicon 03221
Systems analysis, Modeling, Circuitry, Power systems 01765
Torsion, Ultrasonics, Bones, Biomedical engineering, Piezoelectricity 02147
Transducers, Waveguides, Piezoelectricity, Distortion 02648
Transmission lines, Computer aided design, Collectors, Traveling wave tubes 07253
Transmission lines, Voltage, Protection, Relays, Detectors 01718
Transparency, Atmospheric conditions, Frequency, Wave propagation, Attenuation 04822
Turbulent flow, Atmospheric conditions, Scintillation 03225
Voltage, Waveguides, Resonance, Cavities, Signal processing 01058
Wave propagation, Antennae, Excitation, Modes 06487
Wave propagation, Antennae, Geometry, Scattering 04815
Wave propagation, Astrophysics, Azimuth, Anisotropy, Magnetic fields 06443
Wave propagation, Coherence, Scattering 03250
Wave propagation, Diffraction, Scattering, Plasmas, Cross sectional measurement 06450
Wave propagation, Filtering, Image processing, Surface properties 01603
Wave propagation, Glass, Amorphous materials 03222
Wave propagation, Harmonics, Absorption, Scattering 06432
Wave propagation, Microwaves, Modeling 08084
Wave propagation, Oceanography, Atmospheric conditions 01634
Wave propagation, Plasmas, Dielectrics, Frequency 06447
Wave propagation, Plasmas, Oscillation 06419
Wave propagation, Pulse generation, Transmitters, Antennae 04845
Wave propagation, Radar, Troposphere 06301
Wave propagation, Scattering, Refractive indices, Troposphere, Antennae 06439
Wave propagation, Spectroscopy, X-rays 00282
Wave propagation, Surface properties, Metals, Dissertation 00021
Wave propagation, Surface properties, Polarization, Dispersion 03224

Electromagnetic waves, (continued)
  Wave propagation, Thin films, Superconductors 00024
  Wave propagation, Transmission lines, Plasmas, Attenuation 06449
  Wave propagation, Turbulence, Atmospheric conditions 01631
  Waveguides, Dispersion, Helices, Frequency 01057
  Waveguides, Harmonics, Wave propagation 03234
Electromagnetics,
  Absorption, Electrons, Spectral analysis, Precipitation, Absorption 07066
  Absorption, Lasers, Plasmas, Propulsion, Space technology 08022
  Accelerators, Performance, Machinery, Computer programs, Energy 06725
  Actuators, Magnetic variables control, Modeling, Dissertation 05234
  Antennae, Arrays, Filtering, Infrared, Dissertation 01653
  Antennae, Broadcasting 06409
  Antennae, Coupling, Aircraft, Computer aided analysis 06492
  Backscattering, Antennae, Statistical analysis, Gaussian processes 04808
  Boundary value problems, Finite element method, Galerkin method 06801
  Canonical forms, Variational principle, Numerical analysis 00005
  Cells, Coupling, Waveguides, Transmission lines, Dissertation 09088
  Clinical medicine, Heat treatment, Thermal variables measurement 03666
  Communications, Military, Research and development, Extremely low frequency 09307
  Communications, Signal processing, Noise, Computer aided analysis, Dissertation 09306
  Computer programs, Finite element method, Problem solving, Numerical analysis 06807
  Computer programs, Mesh generation, Finite element method, Minicomputers 06402
  Conduction, Stability, Modeling, Finite element method, Numerical analysis 07449
  Coupling, Infrared, Detectors, Lasers 07366
  Coupling, Josephson junctions, Tunnel junctions, Films 09062
  Current, Excitation, Numerical analysis, Integral equations 08020
  Current meters, Remote sensing, Kinematics 08650
  Current, Rotors, Finite element method, Numerical analysis 06548
  Cylindrical antennae, Numerical analysis 08127
  Design, Software development, Modules, Problem solving, Computer aided analysis 06806
  Diffraction, Acoustics, Control systems, Coherence, Wave propagation 00823
  Diffraction, Error, Numerical analysis 01604
  Diffraction, Numerical analysis, Holography, Phase conjugation, Focusing 00882
  Eddy current, Boundary value problems, Integral equations, Conductors 06757
  Eddy current, Flow, Finite element method, Numerical analysis, Generators 06549
  Education, Antennae, Curriculum development 06478
  Electric power generation, Transmission lines, Voltage, Hilbert transforms 07465
  Electron beams, Mode conversion, Waveguides, Retarding systems 01892
  Electronic equipment, Finite element method, Computation, Machinery 00070
  Emissions control, Railway engineering, Propulsion 03764
  Energy, Absorption, Electric variables control, Conduction, Human exposure 05292
  Fabrication, Electrostriction, Voltage, Control systems 05851
  Finite difference method, Boundary value problems, Numerical analysis 06796
  Finite element method, Eddy current, Distributions, Conductors, Testing 06756
  Finite element method, Extrapolation, Algebraic equations, Numerical analysis 06800
  Finite element method, Microwaves, Waveguides, Wave propagation 04314
  Finite element method, Problem solving, Minicomputers, Algorithms 06805
  Finite element method, Structural analysis, Problem solving 06803
  Finite element method, Torque, Numerical analysis, Force, Stiffness 06828
  Finite element method, Waves, Electric fields, Software development 06797
  Flowmeters, Calibration, Precision engineering 08498
  Flowmeters, Generators, Research and development 03492
  Force, Short circuits, Oscillation, Buses, Design 06580
  Frequency, Resonance, Programming languages, Difference equations 06457
  Frequency, Vibration, Doppler shift, Radiation 08028
  Frequency, Waves, Simulation, Boundary value problems, Numerical analysis 00314
  Geometry, Boundary value problems, Integral equations, Numerical analysis 06799
  Induction motors, Failure, Coil winding machines, Finite element method 04874
  Induction motors, Finite element method, Current voltage, Rotors, Saturation 06517
  Instrumentation, Nondestructive testing 03496
  Integral equations, Equivalence, Current, Surface properties, Scattering 06403
  Integral equations, Surface properties, Wavelengths 08015
  Interference, Microwaves, Receivers, Radio astronomy 09323
  Interference, Noise, Canonical forms, Probability, Modeling 04814
  Interference, Power plants, Electric fields, Magnetic fields, Measurement 08271
  Interference, Signal detection, Algorithms 06410
  Interference, Signal processing, Simulation 08016
  Inverters, Loop antennae, Voltage 03206
  Lattices, Diffraction, Modulation, Coding, Dissertation 08005
  Materials testing, Magnetic variables measurement, Nondestructive testing 08036
  Metals, Nondestructive testing, Reliability, Transducers, Finite element method 06795
  Microwaves, Composite materials, Computer aided analysis, Curing, Dissertation 08037
  Millimeter waves, Gyrotrons, Magnetic fields, Solenoids 00044
  Millimeter waves, Gyrotrons, Modes, Magnetic fields 00043
  Modeling, Scattering, Dielectrics 04807
  Modeling, Structural analysis, Iteration, Fourier analysis, Flux 06813
  Modeling, Transformers, Numerical analysis 06827
  Modeling, Turbulence, Wave propagation, Algorithms, Simulation 03211
  Modeling, Waves, Thermal variables measurement 08053
  Nondestructive testing, Materials testing, Photography 08457
  Nondestructive testing, Specifications, Springs, Nuts and bolts 01626
  Numerical analysis, Lagrangian method 04803
  Ocean floor, Geophysical exploration, Magnetic fields 06408
  Optical communications, Image processing, Signal processing, Modulation 07318
  Perturbation, Frequency, Resonators 08073
  Polarization, Numerical analysis, Maxwell equations 04806
  Power plants, Transformers, Generators, Computer aided analysis, Current 06547
  Problem solving, Laplace equations, Helmholtz equations, Multipole method 06798
  Propulsion, Acceleration, Aerospace test facilities 08045
  Pumps, Magnetic fields, Eddy current, Distributions, Numerical analysis 07448
  Radiation, Antennae, Modeling, WFLLL2B 06411
  Radiation, Antennae, Wave propagation 08109
  Radiation, Black bodies, Mathematical models 08009
  Radiation, Free electron lasers, Cyclotron resonance, Masers 06413
  Radio noise, Astrophysics, Frequency, Amplitude 06442

Electromagnetics, (continued)
- Reflection, Frequency, Tapers, Design 06423
- Reflection, Impedance, Waveguides 08024
- Refraction, Wave propagation, Kalman filters, Navigation, Space technology 09492
- Remote sensing, Instrumentation, Information retrieval, Radiation, Measurement 02186
- Research and development, Radiation, Accelerators, Bremsstrahlung generators 03913
- Satellite communications, Technology, Economics, Research and development 06187
- Scattering, Arrays, Impedance, Computer programs, Dissertation 01605
- Scattering, Glint, Radar, Simulation 04721
- Scattering, Green functions, Dissertation, Half sheet 06434
- Scattering, Integral equations, Impedance, Transmission lines, Dissertation 08006
- Scattering, Measurement, Automation, Minicomputers 03479
- Scattering, Numerical analysis 01625
- Scattering, Spectral analysis, Iterative method, Dissertation 01621
- Scattering, Waveguides, Circuitry, Impedance 08012
- Scattering, Wire, Antennae, Numerical analysis 08102
- Scattering, Wire, Integral equations, Dissertation 06425
- Screens, Diffraction, Conductors, Dielectricity 03202
- Sensors, Calibration, Ultrasonics, Vibration 00330
- Signal processing, Noise, Measurement 07886
- Simulation, Excitation, PARTES concept 03214
- Simulation, Ion implantation, Wave propagation, Lithium niobate 06438
- Simulation, Modeling, Loops, Control systems, Hysteresis 01084
- Simulation, Pulses, Electric variables control 04811
- Software packages, Computer aided design, Differential equations 06679
- Stability, Transducers, Radiospectrometers 05086
- Stress, Numerical analysis, Magnetic fields 00322
- Structural analysis, Modeling, Eddy current, Differential equations, Circuitry 06565
- Televisions, Wind turbines, Generators, Signal transmission, Interference 06165
- Thermal variables control, Mathematical models, Wire, Circuitry 06401
- Transducers, Nondestructive testing, Materials testing 02665
- Transducers, Simulation, Finite element method, Dynamics, Modeling 06518
- Transmission lines, Interference, Computer aided analysis, Dissertation 06451
- Transmission lines, Interference, Signal to noise ratio, Televisions 01036
- Turbines, Generators, Thermodynamics, Eddy current, Finite element method 06553
- Wave propagation, Acoustic waves 03503
- Wave propagation, Antennae, Waveguides 09112
- Wave propagation, Backscattering 08013
- Wave propagation, Cylindrical antennae, Frequency, Backscattering, Diffraction 08095
- Wave propagation, Cylindrical antennae, Reflection, Water 08110
- Wave propagation, Dielectrics, Medical electronics 08044
- Wave propagation, Diffraction, Current 08017
- Wave propagation, Diffraction, Plasmas, Numerical analysis 08060
- Wave propagation, Diffraction, Scattering, Radar 08014
- Wave propagation, Diffraction, Theoretical analysis 06431
- Wave propagation, Dispersion, Frequency, Chirp 08010
- Wave propagation, Fiber optics, Cables 09360
- Wave propagation, Fiber optics, Joints, Statistical analysis 01352
- Wave propagation, Fiber optics, Lasers, Spectral analysis 07769
- Wave propagation, Fiber optics, Modes, Joints 01351
- Wave propagation, Integral equations, Green functions, Boundary value problems 06406
- Wave propagation, Maxwell equations, Resonators, Antennae 06472
- Wave propagation, Noise, Coal mining, Communications 06854
- Wave propagation, Numerical analysis 08034
- Wave propagation, Optics, Waveguides, Coupling 08066
- Wave propagation, Oscillation, Absorption, Spectral analysis 03212
- Wave propagation, Polarization, Antennae 08100
- Wave propagation, Polarization, Fiber optics, Modes, Birefringence 01355
- Wave propagation, Pulse generation, Frequency, Emissions 08031
- Wave propagation, Rayleigh scattering, Iron 00023
- Wave propagation, Reflection, Polarization 08033
- Wave propagation, Scattering, Dipoles, Computer aided analysis, Dissertation 08003
- Wave propagation, Scattering, Dissertation 08043
- Wave propagation, Scattering, Satellite communications, Microwaves 03213
- Wave propagation, Transmission electron microscopy, Numerical analysis 06426
- Wave propagation, Transmission lines, Dielectrics, Interfaces, Dissertation 08040
- Wave propagation, Troposphere, Water vapor, Meteorology, Atmospheric conditions 08011
- Wave propagation, Turbulence, Reflection, Frequency 06440
- Wave propagation, Waveguides, Maxwell equations 08042
- Wave propagation, Waveguides, Numerical analysis, Galerkin method 01055
- Waveguides, Coupling, Modes, Statistical analysis 01054
- Waveguides, Dispersion, Maxwell equations, Differential equations 09116
- Waveguides, Modal analysis 04809
- Waveguides, Photons, Frequency, Echo 09111
- Waves, Diffraction, Spheroids, Boundary value problems 04802
- Waves, Partial differential equations, Diffraction 08038

Electromagnets,
- Magnetic fields, Current density, Stress 00322
- Magnetic fields, Measurement, Steel, Magnetization 07525
- Magnetic fields, Vibration, Measurement, Wave propagation 08467
- Magnetics, Hysteresis, Testing 01083

Electromyograms,
- Feasibility studies, Signals, Waves, Prosthetics 02164

Electromyography,
- Signal to noise ratio, Amplitude, Modulation 00523

Electron beam lithography,
- Thin films, Warm carrier devices, Detection, Gas lasers 09009

Electron beams,
- Accelerators, Pulse generation, Modulation 02457
- Amplifiers, Plasmas, Photomultipliers 00763
- Annealing, Ion implantation, Heat treatment, Semiconductors 05899
- Backscattering, Relativistic particles, Lasers, Gain 07364
- Cathode ray tubes, Testing, Targeting, Output, Automation 02485
- Control systems, Krypton fluoride, Xenon chloride, Gas lasers, Pumping 08976
- Current, Short circuits, Solar cells, Scanning electron microscopy 02520
- Current voltage, Superconductors, Linear accelerators, Energy conversion 04137

Electron beams, (continued)
- Density, Distributions, Scanning, Reconstruction, Computed tomography 0C
- Dielectrics, Waveguides, Cyclotrons, Amplifiers 07
- EBIC, Silicon, Channeling, Structural analysis, Crystal defects 06
- Electric fields, Modeling, Electrodes, Space charge 08
- Electromagnetic fields, Energy, Born approximations 06
- Electromagnetic waves, Signal converters, Wave propagation, Plasmas 00
- Electromagnetics, Mode conversion, Waveguides, Retarding systems 01
- Excitation, Carbon monoxide, Gas lasers, Pumping, Pulse generation 07
- Excitation, Xenon chloride, Lasers, Computer aided analysis 07
- Fault detection, Arrays, Signal processing, Semiconductors, Integrated circuits 06
- Focusing, Color, Televisions, Masks 02
- Frequency, Microwaves, Solar energy, Plasmas, Dissertation 00
- Gain, Lasers, X-rays, Emissions 00
- Gas lasers, Pumping, Charge, Dissertation 08
- Generators, Diodes, Accelerators, Impedance 06
- Glow discharge, Mercury, Lasers, Design 07
- Integrated circuits, Fabrication, Microelectronics 09
- Integrated circuits, Microelectronics, Etching, Fabrication, Lithography 00
- Integrated circuits, Voltage, Emitters, Thermal variables measurement 02
- Ions, Diodes, Fusion 04
- Lasers, Machining, Physical properties, Technology 05
- Lithography, Proximity effect, Calibration, Microscopy 08
- Lithography, Ultraviolet, Lasers, Focusing, Current density 05
- Magnetic fields, Circuitry, Traveling wave tubes, Signal processing, Gyro-TWT 08
- Microelectronics, Integrated circuits, Research and development 04
- Online systems, Silicon, Data transmission, Logic circuits, Arrays 02
- Oscillators, Lasers, Magnetic fields, Resonators 00
- Oscillators, Noise, Video systems, Photoconductors, Tokamaks 03
- Photoconductors, Electrooptics, Waveguides 01
- Plasmas, Lasers, Infrared, Backscattering 00
- Pumping, Gas lasers, Argon, Oscillation, Wave propagation 00
- Radiology, Linear accelerators, Photons, Automatic control 01
- Relativistic particles, Amplifiers, Resonance, Magnetic fields 08
- Relaxation, Magnetic fields, Numerical analysis, Monte Carlo method 00
- Research and development, Accelerators, State of the art, Electrocurtain® 03
- Research and development, Automation, Optics, Lithography 05
- Resolution, Integrated circuits, Fabrication 01
- Topography, Backscattering, Computer aided analysis 02
- Tuning, Lasers, Radiation, Free electron lasers 04
- Valves, Electromagnetic fields, Pulse generation, Pressure 00
- Video systems, Recording systems, Quality control, Audio systems 02
- Waveguides, Masers, Diocotrons, Theoretical analysis 07
- Writing, Manganese stearate, Langmuir films 00

Electron density,
- Absorption, Semiconductors, Infrared 011
- Cavities, Gas lasers, Discharges, Carbon dioxide 00
- Plasmas, Refraction, Ruby lasers, Interferometers 00

Electron guns,
- Annealing, Semiconductors, Heat treatment 027
- Integrated circuits, Metal oxide semiconductors, Fabrication 012
- Lasers, Voltage, Energy bands, Pulse generation 009

Electron microscopy,
- Emitters, Degradation, Manganese, Electroluminescence 008
- Image processing, Contrast, Phases, Pattern recognition 008
- Minerals and ores, Structural analysis, Crystal defects 003
- Optics, Biology, Image processing 057

Electron paramagnetic resonance,
- Microwaves, Magnetics, Semiconductors, Mercury manganese selenide, Dissertation 026
- Transition metals, Electrical conductivity, Oxidation, Thermogravimetry 068

Electronic equipment,
- Aircraft engineering, Guidance and control systems, Reliability, Standards 085
- Aircraft, Packaging, Failure, Process development, Materials testing 060
- Aircraft, Technology, Microcomputers, Interference, Frequency 070
- Anemometers, Calibration, Computer aided analysis 084
- Assembling, Mechanical handling, Robots, Flexible manufacturing systems 012
- Automation, Safety systems, Locks 037
- Automotive engineering, Radio frequency, Electric power apparatus, Noise 037
- Batteries, Integrated circuits, Fabrication, Selection, Economics 017
- Biomedical engineering, Monitoring, Transducers, Design, Dissertation 069
- Bipolar devices, Transistors, Optics, Technology, Research and development 043
- Buses, Standards, Automation, Local area networks, Televisions 029
- Cable television, United States, Europe, Technology 061
- Cement industry, Electric power distribution, Process control, Drives 033
- Cement industry, Production, Customer services, Egypt 033
- Cement, Production, Motors, Grinding, Computer aided control 033
- Ceramics, Military engineering, Packaging, Composite materials 060
- Circuit boards, Assembling, Production control 012
- Circuitry, Assembling, Automation, Computer aided manufacturing 012
- Circuitry, Packaging, Economics, Quality control 055
- Coil winding machines, Automation, Programming 016
- Communication networks, Switching, Mobile systems, Radar, Systems development 014
- Computer aided design, Optimization, Circuitry, Performance 037
- Control systems, Tractors, Agricultural machinery, Technological forecasting 0062
- Distributed systems, Power plants, Process control, Systems design, Technology 0339
- Electromagnetics, Finite element method, Computation, Machinery 0007
- Electrostatics, Pollution control, Programmable calculators, Data collection 0246
- Epoxy resins, Thermal insulation, Surface properties, Voltage 0493
- Failure, Loading, Frequency 052
- Failure, Marine engineering, Safety, Satellite communications, Protocols 061
- Fiber optics, Sensors, Automation 076
- Filters, Circuitry 006
- Gauges, Instrumentation, Quality control, Statistical analysis 010
- Gears, Wheels, Measurement errors, Instrumentation 068
- Graphs, Modeling, Machinery, Synchronization, Research and development 000
- Health care, Information systems, Data processing, Printers, Online systems 053

ectronic equipment, (continued)
Image processing, Cameras, Mapping, Productivity, Automation 02546
Information processing, Optical communications, Noise, Parallel processing 07704
Injection molding, Design 02462
Installation, Power supply, Buildings, Specifications 02288
Instrumentation, Hygrometers, Humidity, Thermal variables measurement, Sensors 03549
Local area networks, Interfaces, Microcomputers, Fiber optics 02313
Machinery, Design, Performance, Finite element method, Surface properties 06525
Machinery, Monitoring, Inspection, Organization and methods, Technology 05551
Machinery, Simulation, Modeling, Stability, Testing 06520
Marine engineering, Computer aided control, Technological forecasting 00706
Micrographics, Image processing, Integrated systems, Information services 01328
Military aircraft, Weapons, Systems design, Antennae, Economics 05287
Military equipment, Weapons, Aircraft 06982
Optical communications, Image processing, Modulation, Materials testing 07299
Optics, Bar codes, Reliability, Design, Research and development 02569
Optics, Pattern recognition, Image processing, Automation, Spectral analysis 05684
Packaged components, Automatic control, Chemical variables control, Adhesives 02782
Packaging, Composite materials, Thermal variables control, Technology 06072
Printers, Data processing, Output, Quality control, Productivity 02285
Process control, Computer aided manufacturing, Reliability, Computer programs 02009
Publishing, Information processing, Economics, Europe 06235
Radiation, Thermometers, Optics, Reliability, Environmental engineering 03966
Radios, Mobile systems, Microwave devices, Research and development 01297
Reliability, Technology, Fault tolerance 05239
Satellite communications, Antennae, Switching, Control systems, Reliability 01398
Satellite communications, Marketing, Economics, Technology 07788
Signal processing, Acoustic emissions, Monitoring, Simulation 01988
Silicon, Detection, Fabrication, Design, Research and development 06887
Simulation, Modeling, Control systems, Dynamics, Problem solving 03568
Simulation, Networks, Computer graphics, Man machine interactions 05514
Simulation, Silicon, Voltage, Integrated circuits, Design 00283
Spacecraft, Instrumentation, Simulation, Sensors, Thermal variables measurement 08598
Spacecraft, Optics, Failure, Thrusters, Research and development 08596
Speech transmission, Data transmission, Private branch exchange, Switching 01445
Telecommunications, Quality control, Capital investment, Finance, Technology 06091
Telecommunications, Switching, Terminals, Microcomputers, Data processing 01430
Telephones, Private branch exchange, Automation, Economics, Marketing 01467
Thermal insulation, Standards, Plasticity, Fireproofing 03892
Troubleshooting, Audio systems, Video systems, Circuitry 03815
Typesetting, Systems design, Terminals, Floppy disks 02302
ectronic funds transfer,
Banking, Economics, Financial services, Technology 09430
Banking, Microcomputers, IBM PC, Wells Fargo 04623
Banking, Personal computers, Online systems, Research and development 07089
Banking, Security, Forecasting 02281
Banking, Systems analysis, Dissertation, Point of sale systems 01431
Banking, Transaction processing, Security 08710
Finance, Government agencies, Automation, Communication networks 02986
Financial services, Telecommunications, Security 09445
Security, Computer crime 03005
Security, Cryptography 03178
lectronic mail,
Communication networks, Technology 09442
Communications, Data transmission, Private automatic branch exchange, ITT5300 04629
Data communications, Local area networks, Ethernet 03737
Data communications, Modems, Technology, Research and development 03017
Data transmission, Cost benefit analysis, Terminals 06202
Data transmission, Office automation, Communications 03025
Facsimile systems, Packet switching, Protocols 09462
Hotel industry, Communication networks, Videotex, Midland Hotel 07837
Information systems, Flow, Postal service, Telecommunications 03015
Insurance industry, Personnel, Training, Productivity 03881
Lasers, Printers, Technology, Performance, Economics 07425
Legislation, Telecommunications, Government regulations, United Kingdom 03028
Military, Planning, Technology, Testing 06088
Office automation, Communication networks, Terminals, Portability 02315
Office automation, Communications 09413
Office automation, Communications 09422
Office automation, Local area networks, Telecommunications, Protocols 06231
Office automation, Organization and methods, Communication networks 09450
Office automation, Productivity, Telecommunications, Technological forecasting 06230
Office automation, Records management, Technological forecasting 03758
Office automation, Security, Cryptography 02295
Office automation, Telecommunications, Data bases, Software development 06233
Office automation, Telecommunications, Technological forecasting, Circuitry 04627
Office automation, Word processing, Management information systems 03759
Productivity, Office automation, Private branch exchange, Telecommunications 04655
Research and development, Japan 09432
Software packages, Minicomputers, Security 01440
Sorting, Performance, Management, Productivity, Economics 05556
Speech recognition, Private branch exchange, Plug compatibility, Switching 04612
Speech transmission, Data transmission, Information retrieval 06226
Speech transmission, Data transmission, Integrated systems 06225
Speech transmission, Facsimile systems, State of the art 03023
Speech transmission, Manufacturing, Marketing, Patent, Research and development 03048
Speech transmission, Storage, Computer aided control, Office automation 06228
Technological forecasting, Facsimile systems, Office automation 03032
Telecommunications, Computer crime, Encryption, Software packages, Security 09416
Telecommunications, Data transmission, TELEMAIL TM 06220
Telecommunications, Equipment, Manufacturing, Software development 04628
Teleconferencing, Technology, MATRIX 03042
Telemetry, Computer graphics, Federal Express 07817
Telephones, Message switching, Storage, Integrated systems 03065
Telephones, Online systems, Information services, Videotex 06262
Telex, Speech transmission, Telecommunications, State of the art 01438
Electronic mail, (continued)
Traffic, Economics, Planning, Management 09452
Transmission, Security, Cryptography 03030
Transmission, Standards, Compatibility 06224
Transmission, Systems analysis 09448
Word processing, Data processing, Ships, Communication networks 03012
Electronic storage,
Interferometers, Josephson junctions, Storage, Superconductivity 04094
Metal oxide semiconductors, State of the art 02702
Electrons,
Absorption, Plasmas, Magnetic fields, Pressure, Computer aided analysis 06632
Accelerators, Control systems, Fiber optics, Van de Graaff accelerator 07721
Accelerators, Polymerization, Electron beam curing 03434
Annealing, Ion implantation, Silicon, Solar cells, Junctions 05624
Ballistics, Gallium arsenide, Displacement, Simulation, Numerical analysis 01109
Carrier mobility, Heterostructures, Dissertation, $AlGa/Al_xGa_{1-x}As$ 01160
Collisions, Ionosphere, Geomagnetism, Wave propagation, Numerical analysis 08664
Combustion, Magnetohydrodynamics, Interferometry, Faraday rotation 00164
Concentration, Carrier mobility, Gallium arsenide, Doping, Silicon 02720
Coupling, Phonons, Ferromagnetism, Structural analysis, $GaMo_4X_8$ 08500
Drift mobility, Klystrons, Ions, Accelerators 08513
Electron conductivity, Gases, Monte Carlo method, Nuclear physics 01891
Electron density, Gas lasers, X-rays, Ultraviolet, Ionization 09027
Electron density, Indium phosphide, Schottky diodes, Photoelectric effect 07555
Electron density, Ionosphere, Power, Spectral analysis 07065
Electron density, Measurement, Lasers, Interferometers, Tokamaks 09046
Electron density, Measurement, Space exploration equipment, Venera 13,14 08609
Electron density, Silicon, Amorphous materials, Charge coupled devices 07629
Electron density, Temperature, Photoionization, Lasers, Plasmas, Nitrogen 07356
Electron density, Tokamaks, Far infrared, Interferometers, Lasers 06727
Electron gases, Interfaces, Transport properties, Hall effect 02821
Electron guns, Design, Coupling, Focusing, Permanent magnets 06837
Electron multipliers, Gain, Voltage, Saturation 03906
Gallium arsenide, Transistors, Structural analysis, Scattering, Optics 04395
Gamma radiation, Resonance, Detectors, Spectral analysis 06747
Glow discharge, Thermal variables measurement, Diffusion, Voltage 01917
Hamiltonians, Wiggler fields, Free electron lasers 08972
Heating, Lasers, Mirrors, Crystals, Lattices 07421
Impact testing, Gallium arsenide, Ionization, Pn junctions 00267
Injection, Indium phosphide, Electric fields, Drift velocity 05896
Injection, MOSFET, Degradation, Thermal variables measurement 05970
Injection, MOSFET, Transistors, Degradation, Channels 05982
Injection, Polyethylene terephthalate, Electroluminescence, Voltage 05683
Ions, Collisions, Ionosphere, Stability 07075
Ions, Radiation dosimetry 03914
Irradiation, Excitation, Thin films, Electroluminescence, Displays 05675
Irradiation, Gallium arsenide, Diodes, Current voltage, Temperature 01141
Irradiation, Semiconductors, Switching 01125
Irradiation, Silicon, Solar cells, Performance, Degradation 07272
Irradiation, Solar cells, Defects, Fabrication, A-Si:H 08881
Irradiation, Solar cells, Performance, Space technology, AlGaAs-GaAs 05644
Irradiation, Thin films, Luminescence, Excitation, ZnSe:Mn 05673
Lasers, X-rays, Bragg reflection, Resonators 05734
Liquefied gases, Helium, Metal oxide semiconductors, Surface properties 01151
Magnetic fields, Cathodes, Current, Glow discharge 06842
Magnetic fields, Charge density, Polarization, Semiconductors 01118
Magnetic fields, Gunn diodes, Friction 01889
Magnetic fields, Induction, Arcs, Plasmas 08055
Magnetic fields, Masers, Oscillation, Resonators 07361
Metal oxide semiconductors, Field effect transistors, Modeling 04416
Microwaves, Biology, Photoconductivity, Magnetic fields 03441
Monte Carlo method, Modeling, Metal oxide semiconductors, Silicon 05955
Output, Photodiodes, Modeling 08867
Phonons, Metals, Point contacts, Noise 06875
Phosphorescence, Displays, Cathode ray tubes 03908
Photoemissions, Painting, Discharge, Inspection 03965
Precipitation, Electric fields, Magnetic fields, Dissertation, Auroras 06810
Remote sensing, Atmospheric conditions, Radar, Current density 04711
Secondary emissions, Insulators 08396
Semiconductors, Valence, Pn junctions, Breakdown, Theoretical analysis 01126
Signal processing, Magnetic fields, Modulation, Free electron laser 07351
Spectral analysis, Amplifiers, Optical analysis, Lasers 00921
Spectral analysis, Precipitation, Electromagnetics, Absorption, Astrophysics 07066
Spectrometers, Hodoscopes, Convertors, High energy physics 05081
Stability, Frequency, Plasmas, Magnetohydrodynamics 06634
Thermal variables measurement, Far infrared, Emissions, MOSFET 05961
Thin films, Ground states, Energy, Monte Carlo method, Dissertation 01248
Transport properties, Aluminum, Thin films, Electrical resistivity 03471
Transport properties, Semiconductors, Monte Carlo method, Dissertation 01132
Tunneling, Spectroscopy, Thin films 08435
Visible range, Fluorine, Electrooptics, Spectral analysis 07317
Wave propagation, Electrostatics 00003
Electrooptics,
Acoustics, Modulators, Lasers, Materials testing 00852
Channels, Reflection, Waveguides, Modulation, Switching, Dissertation 01061
Classification, Disks, Optical storage 01492
Communications, Epitaxial growth, Semiconductor lasers, Dissertation 03971
Crystals, Holography, Diffraction gratings, Numerical analysis 05779
Electric fields, Lubricants, Transformers, Space charge 01089
Emissions, Films, Capacitors, Discharges 03887
Ferroelectrics, Liquid phase epitaxy, Crystal growth, Czochralski method 07316
Fiber optics, Light emitting diodes, Multiplexing 00822
Gallium arsenide, Photoconductors, Switches, Frequency, Modulation 08911
Gallium arsenide, Switches, Lasers, Semiconductors 02587
Guidance and control systems, Image processing, Missiles, Infrared 00274
Image processing, Kareunen-Loeve expansion 00827

Electrooptics, (continued)
Image processing, Optical character recognition 00842
Infrared, Diodes, Transmitters, Modulation, Gallium arsenide 08919
Infrared, Remote sensing, Mapping, Irrigation, Scanning 03449
Ions, Etching, Materials testing 02551
Lenses, Cathodes, Aberration 08916
Lenses, Electrodes, Design, Ion microprobes 07315
Lithium niobate, Modulators, Waveguides, Diffusion 00838
Materials testing, Crystal growth, Crystal structure, X-rays, Diffraction 02542
Microelectronics, Masks, Thin films, Book 04514
Modulation, Heterostructure lasers, Simulation, SPICE 08997
Modulators, Fabrication, Ferroelectrics, Lithium niobate 05695
Modulators, Lasers, Thermal variables measurement 00840
Niobates, Ceramics, Anisotropy 05885
Optical analysis, Pulse generation, Pumping, Dissertation 07434
Optical storage, Tracking, Focusing 01491
Optical storage, Videodiscs, Lasers 01344
Photoconductors, Potentiometers, Transformers, Thermal variables measurement 08914
Position control, Sensors, Circuitry, Space technology 08610
Scanning, Lasers, Fabry Perot filters, Design 02552
Scanning, Microscopy, Image processing 08917
Schottky diodes, Charge coupled devices, Logic circuits, Signal processing 02776
Semiconductor lasers, Coupling, Injection, Tuning 00961
Semiconductor lasers, Logic circuits, Inverters, Signal converters 04010
Semiconductors, Sensors, Striplines 00807
Silicon, Photodetectors, Metal oxide semiconductors, Field effect transistors 02762
Silicon, Solar cells, Fabrication, Ion implantation, Masks 05653
Spectral analysis, Fluorine, Visible range, Electrons 07317
Switches, Fabrication, Performance 08923
Switches, Ferroelectric crystals, Temperature dependence, Nucleation 08913
Switches, Voltage, Gallium arsenide, Cameras 03970
Switching, Field effect transistors, Resistors, Photodevices 01201
Switching, Gallium arsenide, Photoconductors 03920
Switching, Memory, Polymers, Color, Conductors 00839
Switching, Semiconductors, Indium phosphide, Dissertation 00837
Tellurium dioxide, Refractive indices, Bonds, Stress, Strain 02550
Thin films, Film growth, Microcomputers, Signal processing 06877
Transmitters, Gallium arsenide, Semiconductor lasers, Multiplexers 07292
Vision, Robots, Research and development 08906
Waveguides, Anisotropy, Liquid crystals, Electric fields 07313
Waveguides, Lithium niobate, Fabrication, Optical devices, Integrated circuits 02645
Waveguides, Photoconductors, Electron beams 01048
Welding, Nondestructive testing, Hydrogen 03964
Xerography, Interfaces, Charge carriers, Photoconductivity 02537

Electrophotography,
Silicon, Dielectrics, Diodes, Short circuits, Testing 05882

Electrophysiology,
Biology, Neural system, Current, Recording systems 03683
Impedance, Parameter estimation, Respiratory system 08641
Neurology, Pulse generation, Electrodes 00530

Electroplating,
Cuprous sulfide, Cadmium sulfide, Solar cells, Capacitance voltage 05657
Films, Alloys, Acids, Thermal variables control, Optimization 03326
Gallium arsenide, Field effect transistors, Mechanical strength 04407
Gold, Photolithography, Etching, Microelectronics 00833
Palladium, Coatings, Thickness control 05552
Palladium, Gold, Contacts, Electrical resistivity, Wear 03885
Radiochemical analysis, Reliability, Maintenance 02006
Semiconductors, Automatic control, Robots 01111

Electrostatics,
Atmospheric conditions, Magnetic fields, Spacecraft, Dielectrics, Discharges 02110
Boundary value problems, Optics, Lenses, Least squares estimation 05082
Calibration, Vibration, Transducers, Antennae 09148
Capacitance, Sensors, Electric variables measurement, Instrumentation, Force 06792
Charge, Hydrocarbons, Liquids, Spraying 08450
Charge, Transformers, Oil, Moisture measurement, Thermal variables measurement 09166
Compensators, Converters, Control systems 04248
Converters, Resonance, Frequency 01759
Discharge, Pulse generation, Electromagnetic waves, Radio astronomy, Saturn 00583
Dynamics, Newton laws 00002
Education, Computer aided instruction, Finite element method 03489
Electric power transmission, Var systems, Saturation 01758
Electrodes, Discharges, Fibers, Textile industry 01729
Electromagnetic waves, Piezoelectricity, Semiconductors, Plasmas 03228
Electrostatic precipitators, Diesel engines, Exhaust gases, Combustion products 03263
Failure, Communication networks, Protection 07561
Image processing, Lenses, Fabrication, Modeling 05687
Induction machines, Circuitry, Energy conversion 03262
Interference, Voltage, Amplifiers 03835
Magnetic fields, Particles, Drift waves, Simulation 06832
Manometers, Pressure, Transformers, Transducers, Amplifiers 06873
Materials testing, Adhesion, Surface properties, Measurement, Dissertation 00001
Modeling, Circuitry, Induction machines, Dissipation 03296
Numerical analysis, Electrical conductivity 03488
Plasmas, Magnetic fields, Space charge 06645
Pollution control, Electronic equipment, Programmable calculators 02463
Potentials, Electrodes, Charge, Voltage, Symmetry 00123
Potentials, Mapping, Magnetosphere, Magnetic fields 07040
Precipitators, Combustion products, Granular materials, Erosion 01601
Problem solving, Finite element method, Finite difference method 06793
Signal processing, Transistors, Metal oxide semiconductors 04411
Spark gaps, Pneumatic systems, Electrodes, Discharges, Protective circuits 03883
Spraying, Standards, Safety 01944
Stability, Electrodes, Discharges, Gases, Pressure 09076
Synchronization, Printing, Control systems, Ink-jets 08729
Wave propagation, Electrons 00003

Ellipsometers,
Fabry Perot interferometers, Computer aided control, Amplitude, Anisotropy 072

Ellipsometry,
Infrared, Photometry, Fourier transforms, Spectrometers, Retarders 084

Emerald,
Lasers, Emissions, Excitation 040
Lasers, Pumping, Excitation, Tuning 057

Emissions,
Acoustics, Lasers, Interferometry, Calibration 068
Cathodes, Design, Osmium, Coatings 088
Cathodes, Electrical conductivity, Semiconductors, Oxygen 055
Charge carriers, Spectroscopy, Pulse generation, Signal processing 019
Emission spectra, Luminescence, Detectors, Spectroscopy 019
Excitation, Lasers, Emerald 040
Far infrared, MOSFET, Electrons, Thermal variables measurement 059
Far infrared, Ozone, Gas lasers, Pumping, Frequency 073
Frequency, Electromagnetics, Wave propagation, Pulse generation 080
Gallium arsenide, Heterostructure lasers, Pumping, Relaxation 090
Gallium arsenide, Indium antimonide, Far infrared, Tuning 092
Heterostructure lasers, Fabrication, Spectral analysis, GaInAsP/InP 057
Infrared, Schottky diodes, Leakage current, Thermal variables measurement 075
Iron, Ferromagnets, Magnetooptics, Thermal variables measurement 073
Lasers, Computer aided analysis 089
Lasers, Pumping, Far infrared 090
Lasers, Pumping, Solar energy, Absorption 089
Light, Discharges, Organic compounds, Insulators 055
Light, Injection, Voltage, Polarity, Space charge 082
Light, Tunnel junctions, Surface properties, Plasmons, Polaritons 092
Neodymium, YAG lasers, Resonators, Design 090
Photoelectric effect, Excitation, Delay, Signal processing, Pulse generation 025
Radio frequency, Thermal variables measurement, Astronomy 070
Radio waves, Radiometry, Telescopes, Mars 087
Raman effect, Lasers, Indium 057
Ruby lasers, Kinetics, Coupling, Numerical analysis 089
Secondary emissions, Electrons, Insulators 083
Semiconductor lasers, Pumping, Refractive indices, Wavelengths, (GaAl)As 089
Spacecraft, Modeling, Sheath ionization 069
Stratosphere, Far infrared, Noise 084
Thermionic emission, Arcs, Electrodes, Current density, Temperature 074
Thermionic emission, Arcs, Melting, Electrodes, Copper 074
Thermionic emissions, Field emissions, Solar cells, Ohmic contacts 056
Thermionic emissions, Metal insulator semiconductors, Capacitors 088
Thermionic emissions, Schottky diodes, Injection, Current voltage 075
Thermionic emissions, Zirconium, Cathodes, Plasmotrons 074
Tunneling, Schottky diodes, Contacts, Metals, Silicides 059
Ultraviolet, Lasers, Plasmas 050
Visible range, Metal oxide semiconductors, Field effect transistors 027
X-rays, Gain, Electron beams, Lasers 009
X-rays, Gas lasers, Plasmas, Thermal variables measurement 074
X-rays, Lasers, Irradiation, Metals, Foils 057
X-rays, Spectral analysis, Lasers, Plasmas 073

Emissions control,
Noise, Computer aided analysis, Economics, Buildings 035

Emitters,
Bipolar transistors, Current voltage, Doping, Diffusion 075
Gain, Metal insulator semiconductors, Bipolar transistors, Heterojunctions 011
Pn junctions, Diffusion, Recombination, Surface properties, Doping 043
Polysilicon, Gain, Etching, Bipolar transistors 011
Position control, Antennae, Receivers, Power, Measurement 064
Sensors, Signal reception, Simulation 063
Silicon, Charge carriers, Bipolar transistors, Dissertation 027
Thermal variables measurement, Voltage, Integrated circuits, Electron beams 028
Visible range, Surface properties, Voltage, Solar cells, Wavelengths 008

Employment,
Industrial plants, Automation, Robots 085

Encoders,
Optics, Design, Resolution, Research and development 063

Encoding,
Cameras, Signals, Photomultipliers, Anger camera 068
Decoding, Channels, Communications 095
Fiber optics, Signal transmission, Position control, Reliability, Sensors 035
Gaussian sources, Quantization, Simulation, Dissertation 047
Image processing, Pattern recognition, Histograms 0730
Interactive systems, Fault tolerance 015
Optical communications, Information processing, Color, Systems analysis 0732
Pulse code modulation, Quantization, Simulation 095
Signals, Scintillators, Data compression, Hodoscopic systems 068
Speech transmission, Signal to noise ratio 095

Encryption,
Data processing, Security, Telecommunications, Government agencies, Channels 031
Data transmission, Security, Williams public-key encryption 047
Telecommunications, Electronic mail, Computer crime, Software packages 0941

Energy,
Absorption, Plasmas, Lasers, Radiation 0734
Aircraft, Guidance and control systems, Stability, Displacement 0525
Australia, Fuel technology, Technological forecasting, Linear programming 0669
Electric fields, Finite element method, Computer aided analysis 0680
Electric power distribution, Loss factor, Loading, Quadratic equation, Modeling 0489
Electric power generation, Management information systems 0668
Electric power generation, Planning, Mixing, Technology, Optimization 0489
Electric power generation, Wind turbines, Generators, Reliability, Modeling 0489
Electromagnetic fields, Electron beams, Born approximations 0642
Electromagnetics, Absorption, Electric variables control, Conduction 0529
Electromagnetics, Accelerators, Performance, Machinery, Computer programs 0672
Energy transfer, Ions, Laser spectroscopy, Fluorescence 0568
Military engineering, Weapons, Economics, Lasers, Research and development 0403

nergy, (continued)
Power systems, Stability, Dissertation ... 08257
Signal processing, Noise, Waveforms, Speech synthesis ... 04694
Signal processing, Wave propagation, Integrated circuits, Delay, Technology ... 09281
Spectral analysis, Resonance, Radio frequency, Aeronomy ... 07073
United States, Research and development, Federal government ... 03385
nergy bands,
Absorption, Spectral analysis, Nuclear magnetic resonance ... 03557
Capacitance, Illumination, Excitation, Metal oxide semiconductors ... 01153
Charge carriers, Thermal variables measurement, Current, Heterostructure lasers ... 00943
Conductance, Cyclotrons, Resonance, Far infared, Lasers ... 01670
Conductivity, Semiconductors, Electromagnetic waves, Density ... 00022
Cross sectional measurement, Waveguides, Rotating bodies, Electromagnetic waves ... 01060
Deformation, Hydrogen, Semiconductors, Dissertation ... 02709
Far infrared, Salts, Lasers, Spectral analysis, Phase transitions ... 02584
Fault detection, Microelectronics, Filters ... 04470
Field effect transistors, Semiconductors, Channels ... 01205
Interfaces, Insulators, Voltage, Sensors, Electrolytes ... 00723
Interfaces, Semiconductors, Photoconductivity, Solar cells ... 02512
Materials planning and control, Field effect transistors, Structural analysis ... 02834
Multiplexing, Signal processing, Infrared, Lasers, Dissertation ... 00930
Optical analysis, Magnetic fields, Thin films, Semiconductors ... 00319
Semiconductors, Refractive indices, Frequency, Absorption, Dispersion ... 01117
Spectral analysis, Infrared, Pumping, Lasers ... 00946
Spectral analysis, Phonons, Cadmium manganese telluride, Semiconductors ... 02705
Energy conservation,
Aircraft engineering, Flight control systems, Fuel efficiency, Boeing 737-300 ... 06979
Batteries, Lead, Acids, Japan ... 06656
Cement industry, Production control, Cogeneration, Fuel efficiency ... 08140
Diodes, Modeling, Millimeter waves, Circuitry, Transport equations ... 05904
Drives, Motors, Frequency, Control systems ... 06542
Economics, Induction motors, Torque ... 03280
Economics, Optimization, Eddy current, Frequency ... 08370
Electric power generation, Computer aided control, Accounting, Process control ... 01846
Electric power generation, Heat accumulators ... 06701
Energy resources, Power plants, Hydroelectric power generation, Generators ... 00232
Fluorescence, Optical systems, Design, Optimization ... 03959
Fuel efficiency, Diesel engines, Turbines, Wind energy ... 00146
Fuel efficiency, Microprocessors, Balancing, Internal combustion engines ... 02343
Fuels, Hydroelectric power generation, Economics, Prediction, Dissertation ... 01843
Heating systems, Heat pumps, Solar collectors ... 01814
Induction motors, Motors, Starters, Voltage, Control systems ... 06536
Induction motors, Performance ... 03272
Induction motors, Power systems ... 01687
Linear accelerators, Superconductivity, Magnets ... 04255
Motors, Repair, Reliability ... 08159
Motors, Technology, Velocity control ... 06531
Power systems, Planning ... 06708
Reciprocity, Differential equations, Mathematical models ... 01622
Research and development, Control systems, Machinery, Computer aided control ... 05168
Research and development, Magnets, Superconductivity, Synchrotrons ... 04155
Software, Compilers, Documentation, CEL-1, Building illumination ... 00614
Spacecraft, Propulsion, Chemical variables control, Performance ... 05267
Switches, Voltage, Cost benefit analysis, Capacitors ... 00097
Thyristors, Electric furnaces, Control systems, Steelmaking ... 02626
Transformers, Performance, Costs ... 09168
Utilities, Electric power generation, Economics, Dissertation ... 06700
Voltage, Induction motors, Systems design, Optimization ... 01697
Water, Heating systems, Thermal variables control, Microcomputers ... 02624
Energy consumption,
Electric power distribution, Voltage, Statistical analysis, Economics, Loading ... 06689
Electric vehicles, Propulsion, Motors, Research and development ... 03270
Gallium arsenide, Circuitry, Radiation, Silicon, Radar ... 09301
Hotel industry, Electric power transmission, Computer aided control ... 03399
Mechanical handling, Manipulators, Robots ... 08523
Pulse code modulation, Systems design, Manufacturing, Maintenance, Multiplexing ... 04618
Random access memory, Design, Transistors, Logic circuits ... 07578
Read only memory, Programming, Circuitry, Strobing, Access ... 03741
Sorting, Integrated circuits, Modeling, Algorithms, Computation ... 06029
Energy conversion,
Absorption, Interference, Resonance, Photodevices ... 00223
Alternators, Magnetic variables control ... 08136
Charge carriers, Current, Scanners, Lasers, Solar cells ... 03932
Circuitry, Electrostatics, Induction machines ... 03262
Cooling systems, Thermal variables control, Thermoelectric coolers ... 05812
Design, Solar cells, Computer aided analysis, Fuel efficiency ... 02507
Electric power generation, Cryogenics, Superconductivity, Transmission lines ... 04262
Electric power generation, Japan, Superconductivity ... 04251
Electric power generation, Pipelines, Underwater technology ... 01840
Electric power generation, Resource management, Coal gasification ... 06680
Electric power generation, Solar energy, Dissertation ... 01835
Electric power generation, Superconductivity, Coil winding machines ... 04250
Electric variables control, Machinery, Stress, Modeling, Education ... 06509
Electrochemical reactions, Cells, Current density, Voltage ... 08301
Electron beams, Current voltage, Superconductors, Linear accelerators ... 04137
Energy storage components, Solar collectors, Performance ... 01818
Energy storage components, Superconductivity, Magnets, Discharges, Stability ... 04265
Etching, Solar cells, Heterojunctions ... 03928
Fuel cells, Electrodes, Performance ... 06649
Fuel cells, Surface properties, Coatings, Chemical variables control ... 06648
Harmonics, Lasers, Pulse generation, Fusion ... 02591
Inverters, Power systems, Electric power generation, Resonance, Dissertation ... 03378
Magnetohydrodynamics, Power plants, Oxygen, Thermal variables measurement ... 04967
Mathematical models, Solar heating ... 06666
Modeling, Aluminum gallium arsenide, Solar cells ... 02510
Nickel, Electrodes, Energy storage components, Electrochemical reactions ... 08307
Energy conversion, (continued)
Oceanography, Fluid dynamics, Heat exchangers, Thermal variables control ... 00227
Photovoltaic effect, Films, Absorption, Resonance ... 02497
Photovoltaics, Electric power generation, Semiconductors, Electrodes ... 05002
Photovoltaics, Electrochemistry, Semiconductors, Numerical analysis ... 01114
Photovoltaics, Semiconductors, Electrodes, Modeling, Dissertation ... 05607
Photovoltaics, Solar cells, Economics, Technological forecasting ... 08337
Photovoltaics, Solar cells, Energy resources, Technological forecasting ... 05625
Plasmas, Mirror machines, Fusion, Power systems ... 06638
Plasmas, Semiconductors, Piezoelectricity, Electrostatics ... 03228
Semiconductors, Fiber optics, Vibration, Monitoring, Thin films ... 07661
Silicon, Solar cells, Photovoltaics ... 07265
Silicon, Solar cells, Photovoltaics, Fabrication ... 02508
Silicon, Solar cells, Point contacts, Design, Temperature ... 05612
Solar cells, Design Optimization, Computer aided analysis ... 08871
Solar cells, Photovoltaics, Thin films, Cost benefit analysis ... 02511
Solar collectors, Chemical vapor deposition, Silicon, Coatings, Efficiency ... 03948
Solar collectors, Storage, Current voltage, Electric power generation ... 03371
Solar collectors, Thermal variables control ... 04993
Solar energy, Electric power generation, Receivers, Testing ... 08329
Solar energy, Lasers, Pumps, Telecommunications, Numerical analysis ... 04996
Solar energy, Photovoltaics ... 06672
Solar energy, Photovoltaics, Solar cells, Semiconductors ... 03939
Solar energy, Research and development, Photovoltaics, Silicon, Solar cells ... 01815
Solar energy, Solar cells, Photovoltaics ... 03369
Superconductivity, Magnetics, Storage ... 09063
Thermionic emissions, Photovoltaics, Diodes, Cells ... 08333
Thermodynamics, Solar energy, Atmospheric conditions ... 03353
Transformers, Stability, Resonance, Research and development ... 09164
Wind energy, Induction motors, Turbines, Capacitors, Thyristors ... 01711
Energy recovery,
Carbon dioxide, Solar energy, Photochemicals, Chemical variables control ... 04999
Motors, Rotors, Drives, Control systems, Electric variables control ... 06526
Waste heat, Cogeneration, Paper industry, Cost benefit analysis, Cables ... 01696
Energy resources,
Economics, Technology, Electric power generation, Geothermal energy ... 03376
Geology, Mapping, Image processing, Mineralogy, Thermal variables measurement ... 08662
Hydroelectric power generation, Thermodynamics, Scheduling, Loading ... 05008
Nuclear reactors, Tokamaks, Solenoids, Magnetic fields ... 06660
Photovoltaics, Solar cells, Energy conversion, Technological forecasting ... 05625
Power plants, Hydroelectric power generation, Energy conservation, Generators ... 00232
Statistical analysis, Reliability, Loading, Electric power generation ... 00080
Storage, Solar energy, Heat transfer ... 03352
United States, Research and development, Economics ... 03386
Energy sources,
Electric power distribution, Cogeneration, Safety, Reliability ... 04909
Pacemakers, Batteries, Cardiovascular system, Biomedical engineering ... 07006
Research and development, Photovoltaics, Technological forecasting ... 08872
Solar cells, Manufacturing, Technology, Economics ... 07274
Energy storage components,
Actuators, Modeling, Audio systems ... 09137
Batteries, Automotive engineering, Li-Al/FeS ... 08321
Batteries, Electric vehicles, Loading, Electric power generation ... 04971
Batteries, Electrodes, Current voltage, Scanning electron microscopy, X-rays ... 03328
Batteries, Electrolytes, Pressure, Carbon black ... 03330
Batteries, Fabrication, LiAl/FeS ... 01802
Batteries, Fuel cells, Space technology, Space stations ... 08318
Batteries, Lead, Acids, Energy conservation, Japan ... 06656
Batteries, Life cycle tesing, Data collection, Pattern recognition ... 08298
Batteries, Materials recovery, Lead, Wastes, Process development ... 03333
Batteries, Nickel, Cadmium, Discharges, Modeling ... 08297
Batteries, Performance, Service life, Maintenance ... 01804
Batteries, Polymerization, Electrochemical reactions, Doping, Poly(thiophene) ... 08501
Batteries, Power supply, Metal oxide semiconductors, Random access memory ... 04478
Batteries, Service life, Computer aided analysis, Life cycle testing ... 03324
Batteries, Sulfur, Sodium, Performance, Thermodynamics ... 06647
Calibration, Aerodynamics, Flight control systems, Shock waves ... 00458
Cells, Design, Electrochemical reactions, Electrolytes ... 08306
Charge, Fuel cells, Impedance ... 03322
Compensators, Inverters, Circuitry ... 08193
Current, Circuit breakers, Thyristors ... 01753
Discharge, Conductivity, Fuel cells, Graphite ... 00173
Discharges, Fuel cells, Charge ... 01803
Discharges, Lead, Acids, Computer aided analysis ... 03327
Dry cells, Electrodes, Polarization, Corrosion, Quality control ... 06650
Electric power transmission, Propulsion, Spacecraft, Batteries ... 03632
Electrochemistry, Electric variables measurement, Carbon dioxide, Absorption ... 01801
Electrodes, Batteries, Corrosion, Current density ... 00181
Electrodes, Corrosion, Lead, Sulfur acid, Voltammetry ... 08312
Electrolytes, Batteries, Cerium oxide, Thermodynamics ... 00174
Electrolytes, Oxidation, Current voltage, Kinematics, Fuel cells, Electrodes ... 01796
Energy conversion, Superconductivity, Magnets, Discharges, Stability ... 04265
Fuel cells, Electrochemistry, Electrodes, Lead dioxide, Acids ... 01800
Fuel efficiency, Boron, Zinc, Batteries ... 01795
Heat transfer, Phase transitions, Solar collectors, Fluid mechanics ... 03349
Hydroelectric power generation, Pumps, Control systems ... 00137
Lead, Batteries, Carbon, Additives, Voltage ... 06657
Lithium, Primary cells, Impedance, Measurement ... 03331
Magnesium, Magnesium chloride, Cells, Lifetimes ... 03329
Magnetics, Superconductivity, Electric power generation, Fabrication ... 04284
Microprocessors, Superconductors, Logic circuits, Resistors, Fault detection ... 04276
Mining, Safety, Batteries, Research and development ... 08295
Nickel, Cadmium, Batteries, Design, Testing ... 06652
Nickel, Electrodes, Energy conversion, Electrochemical reactions ... 08307
Nickel, Electrodes, Fabrication, Batteries ... 08300
Optimization, Solar collectors, Fluid mechanics, Heat transfer ... 01828

Energy storage components, (continued)
Performance, Heating systems, Solar collectors, Standards 00200
Performance, Structural analysis, Solar collectors 01817
Petrochemical industry, Power plants, Electric power generation, Pressure 05015
Polythiophene, Films, Electrodes, Batteries 01793
Pumps, Frequency, Hydroelectric power generation, Power plants, Ignition 00138
Resistance, Power supply, Solar cells 00210
Robots, Mechanical handling, Stair robots 08533
Solar collectors, Energy conversion, Performance 01818
Solar collectors, Heat transfer, Radiative transfer, Thermal conductivity 00205
Solar collectors, Space heating, Heat pumps, Ventilation 00201
Solar collectors, Thermal conductivity, Product development, Thermal insulation 00217
Solar collectors, Vacuum technology, State of the art, Thermal insulation 01816
Solar energy, Computer aided analysis, Batteries, Diesel engines 00202
Solar energy, Thermodynamics, Radiation, Cooling systems 06668
Spacecraft, Technology 06973
Superconductivity, Magnetic fields, Electric power transmission, Damping 04282
Superconductivity, Magnets, Voltage, Breakdown, Safety systems 04149
Superconductivity, Power supply, Current voltage, Signal converters, Magnets 04287
Superconductivity, Pulse generation, Shielding, Solenoids 04286
Superconductivity, Solenoids, Space technology, Current density 04281
Systems design, Turbines, Hydroelectric power generation, Heat exchangers 00081
Thermal variables measurement, Solar energy, Electric power generation 00204
Zinc, Electrodes, Cells, Discharges 08303
Engineering,
Circuitry, Transformers, Education, Technology 03821
Education, Circuitry, Functions, Modules, Overhead projection 02413
Education, Computer aided instruction, Curriculum development 08733
Education, Continuing education 03772
Education, Electrical engineering, Performance, Videotaped lectures 03771
Education, Electronic engineering, Circuit theory 07162
Education, Fiber optics, Electronics education 03770
Electrical engineering, Education, Circuitry, Microprocessors 03819
Electrical engineering, Education, Computer aided instruction 03489
Electrical engineering, Education, Standards 07104
Technical drawing, Micrographics 02572
Engines,
Automotive engineering, Mechanical handling, Robots, Saab 05206
Combustion, Sensors, Controllers, Thin films, Performance 07504
Computer numerical control, Machinery, Computer aided manufacturing, Turning 05236
Performance, Fuel efficiency, Data collection, Systems design 05429
Ships, Marine engineering, Control systems, Propulsion, Automation 02331
Spacecraft, Propulsion, Generators, Solar energy, Research and development 08608
Thermodynamics, Tensile strength, Deformation, Loading, Strain 08392
Turbines, Assembling, Welding 00984
Turbines, Systems design, Fuel efficiency, Control systems, Adaptive control 02072
Entropy,
Acoustics, Magnetohydrodynamics, Generators, Waves, Combustion 04968
Magnetic variables measurement, Electric variables measurement, Thermodynamics 00293
Microwaves, Stability, Oscillators 03857
Signal processing, Algorithms, Spectral analysis, Estimation, Functions 04757
Signal processing, Estimation, Autocorrelation functions, Reliability 09535
Specific heat, Sodium, Sulfur, Batteries, Design 03334
Spectral analysis, Statistical analysis 00313
Environmental engineering,
Circuitry, Corrosion resistance, Surface protection, Chemical variables control 09273
Radiation, Thermometers, Optics, Reliability, Electronic equipment 03966
Ventilation, Data processing centers 00594
Environmental protection,
Cables, Telephones, Conductors, Flames, Materials testing 09453
Government regulations, Nuclear power plants, Technology 04983
Hydroelectric power generation, Dynamics, Performance, Economics 04951
Image processing, Microwave devices, Scanning, China 02190
Image processing, Tracking, Monitoring, Hydrology, Floods 02205
Mapping, Aerial photography, Image processing, Saudi Arabia, Sand control 02214
Monitoring, Lidar, Aerosols, Boundary layers, Emission standards 02171
Nuclear energy, Government regulations 04985
Nuclear power plants, Accidents, Government regulations, United States 04982
Nuclear power plants, Accidents, Technology 04984
Nuclear power plants, Construction, Statistical analysis, Project engineering 01807
Power systems, Current voltage, Pulse generation, Bandwidths 06559
Radar, Tracking, Radiation, Safety, Impact analysis 01533
Resource management, Computer graphics, Image processing, Mapping, Workstations .. 02240
Resource management, Image processing, Classification 02198
Resource management, Mapping, California 02207
Urban planning, Data bases, Mapping, Information systems 02193
Epitaxial growth,
Aluminum gallium arsenide, Heterojunctions, Liquid phase epitaxy, Dissertation 02698
Channels, Doping, Logic circuits, Metal oxide semiconductors, Oscillators 01233
Chemical vapor deposition, Quantum wells, Heterostructure lasers, (AlGa)As 04027
Field effect transistors, Selenium, Doping, Gallium arsenide 04432
Gallium arsenide, Light emitting diodes, Fabrication 02528
Gallium arsenide, Microwaves, Transistors, Integrated circuits 04494
Reactors, Design, Semiconductors, Technological forecasting 01108
Silicon, Bipolar transistors, Metal oxide semiconductors, Reactive ion etching 02750
Silicon, Etching, Integrated circuits, Reactors 01268
Silicon, Thin films, Solar cells 03927
Transistors, Doping, Pnp junctions, Current, Modeling 04400
Transistors, Integrated circuits, Metal oxide semiconductors 04437
Epoxy resins,
Composite materials, Iron, Permanent magnets, Design 07526
Doping, Metals, Frequency, Dielectricity, Permittivity 07533
Materials testing, Combustion, Cables 08180
Thermal insulation, Electronic equipment, Surface properties, Voltage 04939
Equalizers,
Delay, Resonators, Cavities 03237
Equipment,
Assembling, Mechanical handling, Automation 0039
Computer aided manufacturing, Testing, Automation, Circuitry 0605
Electric power distribution, Automation, Reliability, Maintenance, Redundancy 0012
Electronic mail, Telecommunications, Manufacturing, Software development 0462
Electronics, Paper industry, Silicone, Transformers 0493
Hydrocarbon processing, Oil refining, Recycling, Instrumentation 0361
Typesetting, Office automation 0230
Erbium fluoride,
Thin films, Capacitors, Film growth, Electrical conductivity, Temperature 0885
Erbium rhodium boride,
Superconductors, Magnetics, Polarization, Phase transitions 0580
Ergonomics,
Aircraft engineering, Modeling 0525
Capacity planning, Research and development, Systems design 0043
Computer aided control, Automotive engineering, Microcomputers 0234
Eyes, Vision, Terminals, Displays 0058
Instrumentation, Automatic control 0857
Lasers, Optometers, Cathode ray tubes, Work study 0368
Lighting, Displays 0730
Man machine interactions, Automation, Mathematical models, Monitoring 0521
Office automation, Displays, Personal computers, Touch sensitive screens 0375
Stress, Military engineering, Human factors, Behavior 0212
Stress, Telemetry, Aerospace medicine, Man machine interactions 0287
Erosion,
Contacts, Switches, Numerical analysis 0672
Copper, Electrodes, Arcs, Melting, Surface properties 0745
Silver, Composite materials, Refractories, Contacts 0723
Surface texture, Image processing, Optics, Tracking, Statistical analysis 0089
Zirconium, Cathodes, Plasmotrons, Thermionic emissions 0745
Error,
Algorithms, Multipliers, Signal processing 0476
Amplifiers, Capacitors, Charge transfer, Switched capacitors 0389
Amplifiers, Circuitry, Frequency, Impedance, Design 0068
Analog to digital converters, Integrated circuits, Metal oxide semiconductors 0928
Antennae, Channels, Signal processing, Arrays, Interference 0648
Arrays, Signal to noise ratio, Interference, Circuitry, Quality control 0633
Biomedical engineering, Data compression, Algorithms, Approximations 0531
Boundary value problems, Filters 0379
Circuitry, Verification, Testing, Logic, Arrays 0765
Codes, Channels, Probability, Modeling, Dissertation 0478
Coding, Fourier transforms, Signal processing, Noise 0314
Coding, Performance, Signal processing, Decoding 0795
Coding, Sequences, Synchronization 0637
Communication networks, Access, Synchronization, Modulation 0319
Communication networks, Integrated systems, Signal transmission, Performance 0466
Communication networks, Packet switching, Broadcasting, Speech transmission 0144
Decoding, Interference 0957
Delays, Computer aided control, Systems design, Performance, Simulation 0201
Estimation, Tracking, Satellite communications, Filters, Orbits 01395
Fabrication, Random access memory, Fault detection 04486
Fast Fourier transforms, Algorithms, Antennae, Radiation 08002
Fault detection, Failure, Algorithms, Redundancy, Flight control systems 03623
Filtering, Algorithms, Convergence, Asymptotic behavior, Iteration 07123
Filtering, Signal reception, Pulse amplitude modulation 01594
Filtering, Signals, Noise, Kalman filters 06385
Filters, Design, Modeling, Noise, Signal processing 05320
Filters, Design, Recursion, Convergence, Search strategies 03807
Filters, Estimation, Signal processing, Simulation, Delay 01544
Filters, Minimization, Functions, Optimization, Dissertation 03786
Filters, Receivers, Modulation, Bandwidths, Noise 02351
Filters, Signal processing, Detection, Noise, Covariance 03805
Filters, Statistical analysis, Modeling, Convergence, Dissertation 05466
Frequency, Signal processing, Spectral analysis 03144
Image processing, Coding, Demodulation, Reliability, Quality control 03191
Image processing, Pixels, Correlation coefficients, Mapping, Spectral analysis 05351
Image processing, Synchronization, Receivers, Interference, Algorithms 02073
Image processing, Televisions, Storage, Pulse code modulation, Quantization 01599
Input, Signals, Feedback, Jump-resonance response 07121
Integrated circuits, Design, Fabrication, Simulation 07638
Integrated circuits, Logic circuits, Cosmic rays, Telecommunications 01260
Lasers, Modeling, Disks, Magnetic variables control, Standards 05860
Logic circuits, Bipolar devices, Arrays, Performance, Computer aided design 07637
Logic, Hardening, Integrated circuits, Design, Random access memory 06001
Mapping, Satellite communications, Mirrors, Scanning, Surface properties 07019
Memory, Integrated circuits, Semiconductors, Radiation 01149
Meteorology, Thermal variables measurement, Oceanography, Remote sensing 03438
Microcomputers, Transducers, Voltage, Measurement, Frequency 05843
Microprocessors, Current voltage, Waveforms, Measurement, Frequency 03463
Microprocessors, Filters, Construction, Simulation, Weighting 02356
Modems, Data transmission, Noise, Signal processing, Algorithms 07920
Multipliers, Time measurement 07173
Parameter estimation, Time varying systems, Adaptive control 05231
Phase shift keying, Noise, Performance 07984
Prediction, Filters, Optimization, Minimization 00660
Probability, Approximations, Asymptotic behavior, Boundary value problems 07931
Probability, Channels, Codes, Distortion 03172
Probability, Communication networks, Signal processing, Performance, Noise 07820
Probability, Modulation, Phase shift keying, Noise, Communication networks 06177
Probability, Signal processing, Channels, Fading, Interference 06318
Probes, Filtering, Noise, Modeling 09542
Programming, Amplifiers, Attenuation, Buffers, Circuitry 02429
Protocols, Local area networks 04636
Pulses, Frequency, Signal processing, Simulation, Performance 07210
Quantization, Distributions, Signal processing, Graphs, Output 07906
Radar, Doppler shift, Velocity, Meteorology, Signal to noise ratio 04712

Error, (continued)

- Random access memory, Fabrication, Fault tolerance ... 04482
- Random processes, Stability, Monte Carlo method, Analog to digital conversion ... 08833
- Read only memory, Fault detection, Dissertation, Concurrent testing ... 00600
- Respiratory system, Measurement, Impedance, Signal processing ... 07012
- Satellite communications, Charge coupled devices, Kalman filters, Transforms ... 02101
- Satellite communications, Phase shift keying, Signal processing, Detection ... 07975
- Satellite communications, Signal processing, Switching ... 03002
- Satellites, Guidance and control systems, Attitude control ... 05276
- Signal detection, Channels, Phase shift keying, Modulation, Receivers ... 01558
- Signal detection, Noise, Parameter estimation ... 01555
- Signal processing, Channels, Antennae, Reliability ... 07907
- Signal processing, Delay, Detection, Filters, Frequency ... 03192
- Signal processing, Noise, Filters, Kalman filters ... 04797
- Signal processing, Random variables, Noise, Estimation, Filtering ... 03120
- Signal to noise ratio, Pulse code modulation, Data transmission, Channels ... 01598
- Signal transmission, Control systems, Robustness, Reliability, Coding ... 07921
- Signal transmission, Feedback, Channels, Probability, Boundary value problems ... 01567
- Signal transmission, Noise, Channels, Satellite communications ... 01577
- Simulation, Satellite communications, Signal transmission, Control systems ... 02993
- Speech recognition, Human factors, Psychology, Statistical analysis ... 01488
- Statistical analysis, Position control, Sensors, Uncertainty ... 04334
- Synchronization, Signal processing, Probability, Integrated circuits, Modeling ... 09593
- Tap weights, Filters, Sampling methods, Charge coupled devices ... 02852
- Telemetry, Satellite communications, Distributions, Instrumentation ... 01394
- Transfer functions, Filters, Distortion, Estimation, Approximations ... 00635
- Transmission, Channels, Frequency shift keying ... 07935
- Truncation error, Decoding, Convolutional codes, Boundary value problems ... 01591
- Vision, Radiometry, Mapping, Sensitivity, Image processing ... 03994
- Weighting, Least squares estimation, Reliability, Data processing ... 00142

Error correcting codes,

- Algorithms, Search strategies, Trees, Data compression ... 07961
- Analog to digital converters, Very large scale integration ... 00703
- Bandwidths, Channels, Radios, Mobile systems, Signal transmission ... 01304
- Coding, Televisions, Color, Signal processing, Automation ... 01566
- Communications, Transmission, Noise ... 07960
- Data transmission, Reliability ... 09583
- Decoding, Parallel processing, Pipelining, Architecture, Reed-Solomon Codes ... 09579
- Decoding, Synchronization, Signal to noise ratio ... 09582
- Electric power distribution, Telemetry, Pulse code modulation, Control systems ... 03315
- Linguistics, Processors, Speech recognition, Parsing, Algorithms ... 06272
- Logic circuits, Boolean algebra, Modeling, Fault tolerance, Reliability ... 02837
- Magnetic storage, Fire codes ... 06369
- Noise, Sequences, Generators, Synchronization, Logic ... 04736
- Signal processing, Interference, Meteorology, Algorithms ... 04704

Error detecting codes,

- Control systems, Communications, Reliability, Data transmission ... 06221
- Optical communications, Transmission, Noise ... 07706

Estimation,

- Autoregressive analysis, Spectral analysis, Noise, Signal processing ... 01542
- Coding, Sequences, Signal processing, Pulse code modulation, Redundancy ... 04792
- Communication networks, Security, Electric power generation ... 00239
- Filters, Error, Signal processing, Simulation, Delay ... 01544
- Frequency, Signal to noise ratio, Stochastic processes, Scattering ... 04770
- Image processing, Matrices, Vision ... 03988
- Modeling, Recursion, Circuitry, Algebra, Filters ... 03804
- Nuclear power plants, Control systems, Modeling, Optimization ... 03346
- Population dynamics, Remote sensing, Organization and methods, Census, Nigeria ... 03697
- Signal processing, Algorithms, Entropy, Spectral analysis, Functions ... 04757
- Tracking, Satellite communications, Filters, Error, Orbits ... 01395
- Transfer functions, Filters, Distortion, Error, Approximations ... 00635
- Variance, Sampling methods, Circuitry, Approximations, Statistical analysis ... 04496

Etching,

- Aluminum, Boron chloride, Plasmas, Integrated circuits, Fabrication ... 02860
- Bipolar transistors, Gain, Polysilicon, Emitters ... 01175
- Copper indium sulfide, Copper indium selenide, Solar cells, Fermi levels ... 02504
- Energy conversion, Solar cells, Heterojunctions ... 03928
- Fabrication, Lithography, Microelectronics, Integrated circuits, Electron beams ... 00845
- Gallium arsenide, MESFET, Fabrication, Molecular beam epitaxy, Gates ... 09249
- Gold, Photolithography, Electroplating, Microelectronics ... 00833
- Integrated circuits, Refractories, Ion implantation, Oxidation ... 01246
- Integrated circuits, Resists, Doping, Photolithography ... 02535
- Integrated circuits, Semiconductor lasers, Waveguides, Detectors ... 04321
- Ion beams, Lithium niobate, Niobium oxide, Optics, Waveguides ... 09119
- Ion implantation, Channels, Transistors, Metal oxide semiconductors ... 02761
- Ions, Materials testing, Microelectronics, Electrooptics ... 02551
- Lasers, Integrated circuits, CMOS, Performance, Optimization ... 09050
- Photodiodes, Fabrication, Liquid phase epitaxy, Performance, Voltage ... 05600
- Polysilicon, Bipolar transistors, Hydrofluoric acid, Fabrication ... 07563
- Refractive indices, Lasers, Optical storage, Thin films ... 01512
- Semiconductor lasers, Fabrication, Temperature, Stability ... 05762
- Semiconductors, Solar cells, Fabrication ... 08876
- Silicon, Diffraction gratings, Waveguides, Optics ... 07336
- Silicon, Schottky diodes, Lithography, Superconductivity, Electrodes ... 04382
- Silicon, Solar cells, Fabrication ... 05609
- Silicone, Resists, Fabrication, Electrooptics ... 06779
- Solar cells, Semiconductors, Design, III-V compounds ... 07263
- Solar cells, Silicon, Surface properties, Ion implantation ... 08875
- Sputtering, Fabrication, Silicon, Aluminum, Schottky diodes ... 02711
- Thin films, Transistors, Silicon, Tantalum pentoxide, Transconductance ... 07608

Europe,

- Cryogenics, Superconductivity, Magnets ... 04166
- Electronic equipment, Cable television, United States, Technology ... 06170
- Robots, Manufacturing, Economics ... 06907
- Standards, Telecommunications ... 03009
- Technological forecasting, Launching facilities, Satellites ... 02977

Europe, (continued)

- Telecommunications, Information processing, Technology, Planning ... 07082
- Telecommunications, Technology, Economics, Research and development, History ... 06104

Evaporation,

- Film growth, Cadmium sulfide, Heterojunctions, Solar cells, Dissertation ... 05634
- Film growth, Cadmium telluride, Thin films, Solar cells ... 06662
- Film growth, Indium tin oxide, Optics, Photodevices ... 02517
- Film growth, Tellurium, Cadmium sulfide, Diodes, Current voltage ... 05912
- Gallium arsenide, Chromium, Schottky diodes, Crystal growth ... 02714
- Metal insulator semiconductors, Degradation, Electroluminescence, CdF_2:Mn, Y ... 05679
- Metals, Electron beams, Lithography, Microelectronics ... 00832
- Photodiodes, Junctions, Electrical resistivity ... 00772
- Silicon, Solar cells, Manufacturing, Vacuum technology ... 07284

Excimer lasers,

- Converters, Tuning, Raman scattering ... 05744
- Frequency, Tuning, Dye lasers, Ultraviolet ... 05054
- Helium, Thyratrons, Current, Voltage ... 07344
- Photoresists, Lithography, Ultraviolet ... 09051
- Ultraviolet, Irradiation, Photoresists, $Ag_2Se/GeSe_2$ ... 04044

Excitation,

- Acetophenone, Molecules, Luminescence, Carbon dioxide, Gas lasers ... 08506
- Annular slot arrays, Waveguides, Magnetic fields ... 04317
- Antennae, Modes, Electromagnetic waves, Wave propagation ... 06487
- Cadmium, Lasers, Discharges, Pumping ... 05768
- Cadmium manganese telluride, Cadmium manganese selenide, Photoluminescence ... 02706
- Carbon dioxide, Gas lasers, Microwaves, Pumping ... 09012
- Carbon dioxide, Gas lasers, Pressure, Discharges, Gain ... 07396
- Carbon dioxide, Gas lasers, Waveguides, Radio frequency ... 07392
- Circuitry, Microwaves, Numerical analysis, Harmonics ... 00051
- Conductors, Performance, Coronas, Interference, Noise ... 08209
- Control systems, Power systems, Design, Stability ... 06512
- Copper, Lasers, Optimization, Frequency, Pressure ... 07405
- Current, Electromagnetics, Numerical analysis, Integral equations ... 08020
- Decay, Ionization, Lasers ... 05746
- Delay, Signal processing, Pulse generation, Photoelectric effect, Emissions ... 02524
- Eddy current, Titanium, Alloys, Electrical conductivity ... 04348
- Elastic waves, Magnetic fields, Electromagnetic fields, Acoustics, Harmonics ... 01608
- Electron beams, Carbon monoxide, Gas lasers, Pumping, Pulse generation ... 07394
- Emerald, Lasers, Pumping, Tuning ... 05743
- Fiber optics, Signal processing, Multiplexing, Dissertation ... 06162
- Filters, Resonators ... 03775
- Gas lasers, Carbon dioxide, Discharges, Gain ... 07359
- Gas lasers, Nitrous oxide, Additives, Optimization ... 07401
- Gases, Lasers, Numerical analysis ... 05735
- Illumination, Energy bands, Capacitance, Metal oxide semiconductors ... 01153
- Indium phosphide, Dye lasers, Doping, Iron, Photoconductors ... 03922
- Induction generators, Capacitors, Performance, Circuitry ... 08177
- Lasers, Emissions, Emerald ... 04016
- Lasers, Power, Vibration, Spectral analysis ... 05763
- Lasers, Pulse generation, Discharges ... 05765
- Lasers, Thermal variables control, Fluorescence ... 00904
- Luminescence, Electrons, Irradiation, Thin films, ZnSe:Mn ... 05673
- Motors, Performance, Control systems, Circuitry ... 08152
- Optics, Far infrared, Lasers, Pumping ... 07363
- Oscillators, Noise, Dynamics, Structural analysis ... 06427
- Oscillators, Numerical analysis, Lotka-Volterra model ... 08574
- Oxygen, Ultraviolet, Fluorescence, Argon fluoride, Gas lasers ... 06713
- Piezoelectricity, Cells, Mathematical models ... 09083
- Rectifiers, Synchronous machines, Fault detection, Current voltage ... 03261
- Relaxation, Pulse generation, Lasers ... 00979
- Semiconductors, Plasmas, Frequency, Oscillation ... 03232
- Simulation, Electromagnetics, PARTES concept ... 03214
- Stability, Synchronous motors, Alternators ... 06558
- Stepper motors, Damping, Resonance ... 08163
- Surface acoustic waves, Transducers, Glass, Ceramics ... 05117
- Synchronous machines, Electric variables control ... 03266
- Thin films, Electroluminescence, Displays, Electrons, Irradiation ... 05675
- Ultrasonics, Electromagnetic fields, Potentials, Transducers ... 08456
- Ultraviolet, Lasers, Collisions, Energy transfer ... 05055
- Voltage, Capacitance, Transmission lines, Capacitors ... 00089
- Wave propagation, Oscillation, Numerical analysis ... 06428
- X-rays, Fluorescence, Protons, Diffraction, Spectrometers ... 05061
- Xenon chloride, Lasers, Electron beams, Computer aided analysis ... 07413
- Zinc oxide, Silicon, Pressure, Measurement ... 08386
- Zinc sulfide, Thin films, Electroluminescence, Charge ... 05674

Excitons,

- Decay, Lasers, Amplifiers, Frequency ... 08991
- Photons, Lasers, Harmonics, Superconductors, Electromagnetic waves ... 04000

Exhaust gases,

- Combustion products, Diesel engines, Electrostatic precipitators ... 03263
- Propellants, Thrusters, Velocity, Thermodynamics, Numerical analysis ... 06963
- Rocket engines, Supersonic flow, Design, Nozzles ... 05269

Experimental design,

- Singularities, Volume, Green functions, Electromagnetic fields ... 01618

Explosions,

- Conductors, Insulators, Spectral analysis, Impedance, Discharges, Ultraviolet ... 01909
- Magnetohydrodynamics, Conductivity, Aerodynamics, Oscillation ... 00341
- Pulse generation, Conductors, Shock waves, Wave propagation ... 03884

Exporting,

- USSR, Computer crime, Hardware, Smuggling ... 08619

Extrusion,

- Thermal conductivity, Steam, Cables, Fabrication ... 01752
- Wire processing, Spectral analysis ... 03880

Fabrication,
Accelerometers, Design, Capacitance, Silicon 05130
Acoustics, Electric variables measurement, Thermal variables measurement 04298
Aircraft, Electric power apparatus, Actuators, Design 08585
Aluminum, Polysilicon, MOSFET, Heat treatment 07668
Amplifiers, Circuitry 03845
Amplifiers, Gain, Power supply 03844
Antennae, Calibration, Impedance 06497
Antennae, Far infrared, Detectors, Image processing, Dissertation 06734
Arithmetic circuits, Counters, Microelectronics, Pipelining, Processors 03829
Avalanche diodes, Gallium arsenide, Doping, Semiconductors 09188
Avalanche diodes, Superlattices, Molecular beam epitaxy, Defects 08868
Avalanche photodiodes, Vapor phase epitaxy, InGaAs/InP 05603
Batteries, Energy storage components, LiAl/FeS 01802
Bipolar transistors, Molecular beam epitaxy, Heterostructures, AlGaAs/GaAs 07573
Bipolar transistors, Npn junctions, Isolation, Buried oxide SOI films 05985
Bipolar transistors, Polysilicon, Etching, Hydrofluoric acid 07563
Bridges, Microwaves, Irradiation, Current voltage 04238
Cables, Fiber optics, Underwater technology, State of the art 06148
Cables, Magnets, Cryogenics, Superconductors 04183
Cadmium sulfide, Solar cells, Surface properties, CdS/Cu_xS 03940
Carrier capacity, Electrodes, Power supply, Fuel cells 00189
Carrier waves, Heterostructures, Semiconductor lasers 00962
Carrier waves, Semiconductor lasers, Aluminum gallium arsenide 00944
Chemical lasers, Calibration, Spectral analysis, Hydrogen fluoride 08378
Chemical variables measurement, Thin films, Photovoltaics 00777
Circuitry, Computer aided design, Computer aided manufacturing, Reliability 07664
Circuitry, Computer aided design, Simulation 07158
Circuitry, Filters 03790
Circuitry, Filters, Architecture, FIR filters 05451
Circuitry, Filters, Delay, Transfer functions 03801
Circuitry, Filters, FIR filters, Prefilter structure 07117
Circuitry, Filters, Quantization, Sampling rate alteration 03803
Circuitry, Filters, Sensitivity, Switched capacitor filters 03789
Circuitry, Filters, Signal processing, Time measurement 05462
Circuitry, Filters, Transformations, Stability 05463
Circuitry, Gallium arsenide, Field effect transistors 09222
Circuitry, Integrators, Tuning, Amplifiers 07195
Circuitry, Measurement, Inspection, Computer aided analysis, Vision 07663
Circuitry, Microprocessors, Random access memory 04479
Circuitry, Processors, Transistors, Metal oxide semiconductors 09267
Circuitry, Random access memory, Fault detection 04486
Circuitry, Random access memory, Time measurement 04484
Circuitry, Random access memory, Time measurement 04485
Circuitry, Simulation, Computer aided design, Palladio 02409
Circuitry, Storage, Random access memory, Gallium arsenide 04459
Circuitry, Technology, Metal oxide semiconductors, CMOS SLIC 06037
Circuitry, Telephones 06259
Circuitry, Time measurement, Dissertation, Clocking discipline 02836
Clocks, Time measurement, Displays, Computer aided control 05131
Commutation, Harmonics, Waveforms, Inverters 07214
Computer aided design, Circuit boards, State of the art 01249
Computer aided design, Circuitry, Impedance, Two-terminal devices 02419
Computer aided design, Circuitry, Microstrips 01643
Computer aided design, Computer aided instruction, Education, Microwave devices 03244
Computer aided design, Integrated circuits 06008
Computer aided design, Integrated circuits 06009
Computer aided design, Integrated circuits, Dissertation 02798
Computer aided design, Integrated circuits, Dissertation 02851
Computer aided design, Integrated circuits, FABRICS II 06077
Computer aided design, Integrated circuits, Routing, Wire routing 02812
Computer aided design, Integrated circuits, Routing, Wire routing 02845
Computer aided design, Integrated circuits, Simulation, PATOIS 09278
Computer aided design, Integrated circuits, Wiring, Routing 02809
Computer aided design, Logic circuits 06007
Computer aided design, Metal oxide semiconductors, Modeling 05946
Computer aided design, Microelectronics, REDESIGN 06040
Computer aided design, Microwave devices 00046
Computer aided design, Microwave devices, Amplifiers 04827
Computer aided design, Microwave devices, Circuitry, Modeling 06461
Computer aided design, Modeling, Integrated circuits, Field effect transistors 06778
Computer aided design, Transistors, Metal oxide semiconductors 05942
Conductance, Admittance, Metal insulator semiconductors 01136
Data communications, Fiber optics, Oxidation, Glass 04569
Design, Field effect transistors, Silicon, Photodetectors, Technology 07256
Design, Waveguides, Lithium niobate, Dissertation 05824
Dielectrics, Waveguides, Millimeter waves, Integrated circuits 04318
Dielectrics, Waveguides, Titanium dioxide, Silicon dioxide, Films 05887
Diffraction gratings, Waveguides, Etching, Lithium niobate, Niobium oxide 09119
Digital to analog converters, Amplifiers, Thermal variables control 03848
Displays, Electrodes, Structural analysis, Voltage 08896
Displays, Glass, Pressure, Circuitry 08898
Electrochemistry, Hydrodynamics, Electrodialysis 02324
Electron gases, Field effect transistors, Epitaxial growth, Heterostructures 09234
Electron guns, Integrated circuits, Metal oxide semiconductors 01278
Electrooptics, Modulators, Ferroelectrics, Lithium niobate 05695
Electrooptics, Switches, Performance 08923
Electrooptics, Waveguides, Lithium niobate, Optical devices 02645
Electroplating, Radiochemical analysis, Reliability, Maintenance 02006
Etching, Josephson junctions, Tunnel junctions, Integrated circuits 04105
Fatigue, Soldering, Joints, Printed circuit boards 07672
Fault detection, Transmission lines, Polyethylene, Insulators, Stress 00130
Fiber optics, Accelerometers, Testing, Transducers 07752
Fiber optics, Chemical vapor deposition, Transmission, Performance 09373
Fiber optics, Couplers, Polarization, Birefringence 09361
Fiber optics, Design, Sensors, Gyroscopes, Modulators 07730

Fabrication, (continued)
Fiber optics, Economics, Wavelength division multiplexing 0133
Fiber optics, Fusion, Tubes 0935
Fiber optics, Mechanical strength, Performance 0132
Fiber optics, Mechanical strength, Testing 0936
Fiber optics, Optical communications, Cables, Splicing 0938
Fiber optics, Performance, Refractive indices, Optical properties 0773
Fiber optics, Stress, Bending 0454
Fiber optics, Technology 0613
Fiber optics, Transmission, Wavelengths, Performance 0936
Field effect transistors, Gallium arsenide, Computer aided design 0922
Field effect transistors, Heterojunctions, Doping, Aluminum gallium arsenide 0760
Field effect transistors, Logic circuits, Metal insulator semiconductors 0121
Field effect transistors, Ohmic contacts, Epitaxial growth 0925
Filters, Chebyshev approximations, Algorithms 0380
Filters, Circuitry, Transmission lines, Frequency, Performance 0482
Filters, Computer aided design, E-plane filter 0379
Filters, Fault tolerance, Modeling 0546
Filters, Frequency, Topology 0545
Filters, Matrices, Transformations 0549
Filters, Specifications, Simulation, Computer aided design 0713
Frequency dividers, Field effect transistors, Logic 0550
Gallium arsenide, Circuitry, Optoelectronics 0922
Gallium arsenide, Field effect transistors, Amplifiers, Microwaves 0880
Gallium arsenide, Field effect transistors, GaAs preamplifiers 0595
Gallium arsenide, MESFET, Ion implantation, Boron, Silicon 0596
Gallium arsenide, MESFET, Ion implantation, Silicon, Transconductance 0443
Gallium arsenide, MESFET, Transistors, Interfaces, Microwaves 0598
Gallium arsenide, MESFET, Transistors, Transconductance 0760
Gallium arsenide, MESFET, Voltage, Scattering 0760
Gallium arsenide, Mixers, Diodes, Liquid phase epitaxy, Planar processes 0754
Gallium arsenide, Molecular beam epitaxy, Transistors, Dissertation 0593
Gallium arsenide, Ohmic contacts, Optimization, Alloys 0930
Gallium arsenide, Optical devices, Couplers 0395
Gallium arsenide, Pn junctions, Solar cells, Diffusion 0394
Gallium arsenide, Thin films, Field effect transistors, Mixers 0442
Geometry, Arithmetic circuits, Phasors 0551
Germanium, Photodiodes, Optical communications 0725
Glass, Cladding, Fiber optics, Communications 0456
Heat transfer, Cryogenics, Linear accelerators, Superconductors 0413
Heterostructure lasers, Communications, InGaAsP 0902
Heterostructure lasers, Emissions, Spectral analysis, GaInAsP/InP 0575
Heterostructure lasers, Integrated circuits, AlGaAs/GaAs 0737
Heterostructure lasers, Waveguides, GaInAsP/InP 0737
Image processing, Converters, Heterojunctions, Liquid crystals, CdS/CdTe 0566
IMPATT diodes, Oscillators, Gallium arsenide, Packaged components 0918
Instrumentation, Magnetrons, Relativistic scaling laws 0356
Instrumentation, Spectrum analyzers, Precision engineering, Portability 0348
Insulators, Field effect transistors, Semiconductors 0118
Integrated circuits, Architecture, Research and development, Dissertation 0444
Integrated circuits, Arithmetic circuits, Counters, Dissertation 0925
Integrated circuits, Bipolar devices, Metal oxide semiconductors 0449
Integrated circuits, Computer aided design, State of the art 0284
Integrated circuits, Computer aided design, Synthesis automation 0766
Integrated circuits, Computer aided design, Verification, Simulation 0929
Integrated circuits, Contacts 0283
Integrated circuits, Control Automata, Fault detection 0446
Integrated circuits, Design, Error, Simulation, Metal oxide semiconductors 0763
Integrated circuits, Dielectrics, Waveguides, Radiation, Testing 0431
Integrated circuits, Electron beams, Microelectronics 0930
Integrated circuits, Fault tolerance, Thermal variables control 0475
Integrated circuits, Fiber optics, Diffusion 0457
Integrated circuits, Field effect transistors, Accelerometers, Transducers 0103
Integrated circuits, Filters, Modular design 0874
Integrated circuits, Gallium arsenide, Crystal growth 0271
Integrated circuits, Gallium arsenide, Optoelectronics, Connectors 0892
Integrated circuits, Masks 0607
Integrated circuits, Metal oxide semiconductors, Boron, Interfaces 0284
Integrated circuits, Metal oxide semiconductors, Field effect transistors 0598
Integrated circuits, Microwaves, Logic circuits 0603
Integrated circuits, Multiplexing, Ternary circuits 0449
Integrated circuits, Oscillators, Frequency dividers 0550
Integrated circuits, Oxidation, Metal oxide semiconductors, Masks 0286
Integrated circuits, Plasma etching 0602
Integrated circuits, Plasmas, Boron chloride, Etching, Aluminum 0286
Integrated circuits, Silicon nitride, Metal insulator semiconductors 0286
Integrated circuits, Technology, Computer aided design, Masterimage method 0282
Integrated circuits, Transfer functions, Synthesis, Dissertation 0445
Integrated circuits, Transistors, Resistors, Annealing 02751
Integrated circuits, Verification, Fault detection 0764
Integrated circuits, Verification, Simulation, Pattern recognition, Algorithms 07641
Interfaces, Integrated circuits, Computer aided design 07164
Interfaces, Metal insulator semiconductors, Insulators, Integrated circuits 02780
JMOS, Transistors, Performance, Dielectrics 09250
Josephson junctions, Lead, Alloys, Thermal variables measurement, Stability 04216
Josephson junctions, Logic circuits 01250
Josephson junctions, Superconductivity, Tunnel junctions, Millimeter waves 04224
Josephson junctions, Temperature, Current density, Current voltage 04175
Josephson junctions, Tunnel junctions, Current voltage, Microelectronics 07447
Junctions, Charge coupled devices, Computer aided design 06036
Lasers, Integrated circuits, Metal oxide semiconductors, Interfaces 02822
Lasers, Logic circuits 03996
Lasers, Semiconductors, Liquid phase epitaxy, Photochemistry 04043
Lenses, Dielectricity, Antennae, Multiplexing 06504
Light emitting diodes, Epitaxial growth, Gallium arsenide 02528
Liquid crystals, Displays, Matrices, Electric power transmission, Circuitry 08892

brication, (continued)
Lithography, Etching, Microelectronics, Integrated circuits, Electron beams ... 00845
Lithography, Field effect transistors, Semiconductors, Logic circuits ... 01181
Lithography, Field effect transistors, Semiconductors, Channels, Alignment ... 01198
Logic circuit diagrams, Image processing, Pattern recognition ... 05999
Logic circuits, Counters, State of the art ... 09057
Logic circuits, Decoders, Memory, Damping, Josephson junctions ... 04084
Logic circuits, Electrodeposition, Metal insulator semiconductors ... 01150
Logic circuits, Josephson junctions, Simulation ... 09286
Logic circuits, Multipliers, Gallium arsenide, Field effect transistors ... 04473
Logic circuits, Proof theory ... 04469
Logic circuits, Quantum wells, Heterostructures, Transistors, Voltage ... 08502
Logic circuits, Routing, Computer aided design ... 06034
Logic circuits, Routing, Modeling ... 02843
Magnetic tapes, Thin films, Ferromagnets, Vacuum technology ... 05870
Magnetics, Sensors, Transistors, Hall effect, Doping ... 06831
Magnets, Computer aided design ... 09161
Masks, Germanium, Radiation Detectors ... 06892
Mathematical models, Transducers, Fault detection, Nondestructive testing ... 02670
Medical electronics, Image processing, X-rays, Quality control ... 05299
Memory, Cells, Structural analysis, Crystal growth, Scanning ... 02726
MESFET, Gallium arsenide, Ion implantation, Channels ... 04430
MESFET, Molecular beam epitaxy, Heterojunctions, Microwaves, Dissertation ... 09181
Metal insulator semiconductors, Transistors, Tunneling, Capacitance voltage ... 01173
Metal oxide semiconductors, Field effect transistors, Bipolar transistors ... 04419
Metal oxide semiconductors, Field effect transistors, J-MOS ... 07612
Metal oxide semiconductors, Gates, Lithography ... 06083
Metal oxide semiconductors, Random access memory, Polysilicon ... 04481
Metal oxide semiconductors, Silicon on sapphire, Circuitry ... 09240
Microelectronics, Architecture, Data structure, Corner stitching ... 06033
Microelectronics, Architecture, Signal processing, Reliability, Specifications ... 07621
Microelectronics, Bridges, Josephson junctions, Superconductors, Dissertation ... 02613
Microelectronics, Channels, Routing, Wire routing ... 02813
Microelectronics, Computer aided design, Modeling, MINIMOS ... 09257
Microelectronics, Computer aided design, Simulation, Dissertation ... 09277
Microelectronics, Economics, State of the art ... 07625
Microelectronics, Fault tolerance ... 07175
Microelectronics, Integrated circuits, Computer aided design, Wire routing ... 02810
Microelectronics, Integrated circuits, Routing ... 02842
Microelectronics, Integrated circuits, Routing, Wire routing ... 02811
Microelectronics, Integrated circuits, Silicon compilation ... 02823
Microelectronics, Microcomputers, Electric power transmission, Time measurement ... 07091
Microelectronics, Printed circuit boards, Routing, Wiring ... 01243
Microelectronics, Printed circuit boards, Routing, Wiring ... 02808
Microelectronics, Random access memory, Polysilicon ... 04480
Microelectronics, Reliability ... 09258
Microelectronics, Semiconductors, Band gaps, Superlattices ... 07539
Microelectronics, Semiconductors, Logic circuits, Electron beam direct writing ... 02872
Microelectronics, Technology, State of the art ... 01251
Microstrips, Oscillators, Radios, Frequency, Stability ... 04542
Microwave devices, Integrated circuits, Computer aided design ... 08069
Microwaves, Flip chips, Power transistors, Field effect transistors ... 05933
Mirrors, Diodes, Photodetectors, Semiconductor lasers, Dissertation ... 00808
MISFET, Germanium nitride, Film growth, Electrical properties, Dissertation ... 09228
MISFET, Transistors, Indium phosphide, Capacitance voltage ... 09243
Modeling, Filters, Transfer functions, Stability ... 05464
MODFET, Transistors, Ion implantation, Transconductance, Current voltage ... 05968
Molecular beam epitaxy, Gallium arsenide, MESFET, Gates, Etching ... 09249
MOSFET, Channels, Tantalum, Silicon ... 09229
MOSFET, Power transistors, Design, Integrated circuits ... 07593
MOSFET, Transistors, Channels, Doping ... 04442
Multiplexers, Amplifiers, Field effect transistors, ISFET ... 05517
Multiplexers, Fiber optics, Optical communications ... 09366
Nickel, Electrodes, Energy storage components, Batteries ... 08300
Niobium, Josephson effect, Tunnel junctions, Current density, Lithography ... 05805
Niobium, Josephson junctions, Interferometers, Magnetic fields ... 04087
NMOS, Transistors, Lasers, Crystallization, Silicon ... 07604
Ohmic contacts, Electrical resistivity, Gallium arsenide, AuGe/Ni ... 06019
Optics, Circuitry, Waveguides ... 04309
Optics, Machining, Precision engineering ... 03978
Packaged components, Integrated circuits, Ceramics, Composite materials ... 02865
Performance, Amplifiers, Integrated circuits, Cascomp error correction ... 05519
Phase shift keying, Logic circuits, Switching, Field effect transistors ... 04420
Photodiodes, Liquid phase epitaxy, Etching, Performance, Voltage ... 05600
Photoresists, Chemical variables measurement, Printed circuit boards ... 00831
Planar processes, Photolithography, MOSFET, Dissertation ... 05974
Pn junctions, Indium phosphide, Diodes, Ion bombardment, Epitaxial growth ... 07549
Polarization, Filters, Infrared, Polyethylene ... 01906
Polysilicon, Circuitry, Random access memory ... 04487
Polysilicon, Solar cells, Optimization, Photochemistry ... 07266
Potentiometers, Electrodes, Coatings, Dissertation ... 01918
Precision engineering, Optics, Machining, State of the art ... 03991
Printed circuit boards, Inspection, Automatic testing, Fault detection ... 09300
Probes, Optics, Image processing, Quadrupole systems ... 03968
Process development, Fault tolerance, Metal oxide semiconductors ... 00814
Random access memory, Error, Fault tolerance ... 04482
Random access memory, Photolithography ... 04488
Random access memory, Storage, Transistors, Capacitance, Silicon ... 07642
Refractive indices, Coatings, Waveguides ... 07481
Research and development, Networks, Filters, Analog active networks ... 07127
Resistors, Analog to digital converters, Potentiometric technique ... 05542
Resistors, Design, Metrology, Performance ... 08851
Robustness, Matching, Filters, Maximin ... 05475
Routing, Integrated circuits, Computer aided design, Wire routing ... 02814
Scandium oxide, Cathodes, Doping, Surface properties ... 07250
Schottky barriers, Junctions, Metals, Semiconductors, Book ... 07553

Fabrication, (continued)
Schottky diodes, Metal insulator semiconductors, Barrier heights, Interfaces ... 04389
Schottky diodes, Photodiodes, Planar processes, Gallium arsenide ... 07261
Schottky diodes, Sensors, Optics, Detection, Dynamics ... 07267
Schottky diodes, Silicon, Aluminum, Sputtering, Etching ... 02711
Semiconductor lasers, Deuterons, Ion bombardment, InP/InGaAsP ... 07375
Semiconductor lasers, Etching, Temperature, Stability ... 05762
Semiconductor lasers, Heterostructure lasers, Carrier waves, Thresholds, Diodes ... 00960
Semiconductors, Antennae, Millimeter waves, Integrated circuits ... 08093
Semiconductors, Field effect transistors, Modeling, Optimization, Performance ... 04422
Semiconductors, Imaging, Masks, Lithography ... 07665
Semiconductors, Insulators, Mathematical models ... 09189
Semiconductors, Integrated circuits, Bipolar transistors, Switching ... 05494
Semiconductors, Silicon, Doping, Chalcogens ... 05898
Semiconductors, Simulation, Microelectronics, Process control ... 07545
Semiconductors, Simulation, Software development ... 05893
Silicon, Bipolar transistors, Npn junctions ... 01202
Silicon, Integrated circuits, MOSFET, CMOS, FIPOS ... 07670
Silicon, Metal oxide semiconductors, Logic circuits, Temperature ... 02756
Silicon, Metal oxide semiconductors, Transistors, Lasers, Crystallization ... 09224
Silicon, Photodetectors, MOSFET, Charge coupled devices ... 05593
Silicon, Solar cells, Annealing, Ion implantation, Flash lamps ... 08879
Silicon, Solar cells, Design, Passivation ... 07269
Silicon, Solar cells, Energy conversion, Photovoltaics ... 02508
Silicon, Solar cells, Etching ... 05609
Silicon, Solar cells, Photovoltaics, Lifetimes ... 03947
Silicon, Solar cells, Pin junctions, Stability, a-Si:H ... 05650
Silicon, Solar cells, Pn junctions, Dissertation ... 00791
Silicon, Solar cells, Pnn junctions, Ion implantation, Masks ... 05653
Silicon, Solar cells, Schottky barriers, Pn junctions ... 05640
Soil science, Energy storage components, Magnetics, Superconductivity ... 04284
Solar cells, Defects, Electrons, Irradiation, A-Si:H ... 08881
Solar cells, Film growth, Polymers, Organic compounds ... 03938
Solar cells, Interfaces, Metal insulator semiconductors, Dissertation ... 00781
Solar cells, Photovoltaics, Design, Cost benefit analysis ... 05648
Solar cells, Photovoltaics, Materials planning and control, Cadmium sulfide ... 00795
Solar cells, Semiconductors, Etching ... 08876
Solar cells, Semiconductors, Junctions, Films ... 00780
Solar cells, Silicon, Ion implantation, Annealing ... 05637
Solar cells, Silicon, Ion implantation, Current density ... 03943
Solenoids, Magnets, Superconductivity ... 04143
Sputtering, Silicon, Solar cells, Current voltage, Photoconductivity ... 05631
Storage, Metal oxide semiconductors, Random access memory, Parameter estimation ... 04483
Storage, Random access memory, Metal oxide semiconductors ... 09213
Storage, Read only memory ... 06079
Structural analysis, Transistors, Integrated circuits ... 01269
Superconductivity, Fusion reactors, Magnets ... 04145
Superconductivity, Magnets, Protons, Synchrotrons ... 04135
Superconductivity, Magnets, Solenoids, Magnetic fields ... 04241
Superconductivity, Transmission lines, Cryogenics ... 04260
Superconductivity, Tunnel junctions, Schottky diodes, Josephson junctions ... 04189
Superconductors, Niobium compounds, Solenoids ... 04164
Superlattices, Capacitors, Heterojunctions, Interfaces, Capacitance voltage ... 05577
Surface acoustic waves, Aluminum, Quality control ... 03532
Technology, Metal oxide semiconductors, Random access memory ... 05948
Telescopes, Optical systems, Design, Space Shuttle ... 00879
Tellurium, Cadmium sulfide, Thin films, Diodes, Current voltage ... 05912
Thermistors, Statistical analysis, Production control ... 02622
Thin films, Contacts, Solar cells, Cu_2S-CdS ... 03936
Thin films, Microelectronics, Electrooptics, Masks, Book ... 04514
Thin films, Microwaves, Calorimetry, Barretters ... 04540
Thin films, Solar cells, Electrodes, CdS/CdTe ... 07282
Time measurement, Circuitry, Random access memory ... 04489
Transistors, Gain, Bandwidths ... 02835
Transistors, Planar processes, Diffusion, Junctions, InGaAsP/InP ... 09239
Tunnel junctions, Magnetrons, Niobium, Josephson junctions, Integrated circuits ... 04462
Tunnel junctions, Shielding, Superconductivity, Josephson junctions ... 04173
Vacuum technology, Current voltage, Transformers, Injectors, Lead-ins ... 05166
Varactors, Capacitance, Tuning, Silicon ... 08852
VDMOS, Breakdown, Voltage, Design ... 09242
Very large scale integration, Circuitry, Technology, Semiconductors ... 07620
VMOST, Transistors, Channels, Lithography, Metallization ... 04424
Waveguides, Filters, Research and development ... 04311
Waveguides, Lithium niobate, Titanium, Diffusion ... 01052
Workbenches, Computer aided design, Digital engineering ... 07628
Zinc oxide, Thermal variables measurement, Surge arresters ... 08208

Fabry Perot interferometers,
Design, Etalons, Control systems, Far infrared ... 08406
Doppler shift, Image processing, Thermodynamics, Atmospheric conditions ... 08707
Infrared, Computer aided control, Astronomy ... 00276
Photoemission, Semiconductor lasers, Spectral analysis, Noise ... 00955
Semiconductor lasers, Coupling, Fiber optics, Modes ... 00966

Facsimile systems,
Data compression, Redundancy, Coding ... 09434
Formatting, Office automation, Communications, Plug compatibility ... 06229
Microcomputers, Word processors, Teletex ... 09435
Mobile systems, Telecommunications, Technology, Japan ... 09426
Office automation, Technological forecasting ... 02989
Offshore structures, Drilling, Data transmission, Technical drawing ... 04611
Packet switching, Protocols, Electronic mail ... 09462
Personal computers, Communication networks, Software development ... 09451
Retail industry, Cost benefit analysis, State of the art, Zale Corp. ... 03033
Speech transmission, Electronic mail, State of the art ... 03023
Standards, Microprocessors, Performance, Cost benefit analysis ... 03008
Technological forecasting, Office automation, Teleconferencing, Electronic mail ... 03032
Telecommunications, Speech transmission, Telex, Electronic mail ... 01438

Facsimile systems, (continued)
Word processing, Data transmission, State government, Illinois 07816
Failure,
Aircraft, Electronic equipment, Packaging, Process development 06070
Aircraft, Guidance and control systems, Maximum likelihood estimation 02082
Capacitors, Voltage, Reliability, Computer programs, Simulation 04898
Ceramics, Capacitors, Voltage, Integrated circuits 05578
Circuitry, Commutation, Rings, Capacitance voltage, Loading 08856
Classification, Integrated circuits, Structural analysis 04448
Communication networks, Control systems, Fault tolerance 00592
Communication networks, Decomposition, Probability, Modeling, Dissertation 06099
Communication networks, Electrostatics, Protection 07561
Communication networks, Protocols, Partitioning, Modeling, Dissertation 03748
Composite materials, Ceramics, Fabrication, Packaged components 02865
Computer programs, Minicomputers, Detection, Guidance and control systems 06283
Connectors, Printed circuit boards, Soldering, Integrated circuits 02792
Controllers, Drives, Servomechanisms, Velocity 00063
Copper, Electrodeposition, Crack propagation, Integrated circuits 02427
Detection, Instrumentation, Error, Signal processing, Probability 03411
Drives, Pumps, Induction motors, Wear, Control systems 04869
Electric motors, Petrochemical industry, Bearings, Reliability, Service life 04876
Electric power distribution, Transformers, Insulators 08221
Electric power generation, Planning, Economics, Modeling, Utilities 03374
Electric power transmission, Planning, Forecasting, Error, Loading 05016
Electric power transmission, Reliability, Control systems, Performance 04905
Electronic equipment, Loading, Frequency 05240
Electronic equipment, Manufacturing, Quality control, Life cycle testing 02065
Electronic equipment, Marine engineering, Safety, Satellite communications 06115
Fault detection, Algorithms, Redundancy, Error, Flight control systems 03623
Fault tolerance, Software packages, Simulation, Dissertation 06057
Fiber optics, Cables, Elasticity, Buckling, Adhesives 07696
Gyroscopes, Accelerometers, Reliability, Probability, Fault tolerance 00450
Induction motors, Coil winding machines, Electromagnetics 04874
Integrated circuits, Logic circuits, Transistors, Fault detection, Maintenance 06063
Integrated circuits, Reliability, Thermodynamics, Optimization 04513
Integrated circuits, Storage, Packaged components, Connectors, Soldering 02870
Linear systems, Circuitry, Iteration, Numerical analysis 08778
Local area networks, Workstations, File management, Reliability, Dissertation 05391
Mainframes, Protection, Electric power transmission 07185
Mathematical models, Repair, Systems design, Reliability, Inspection 03620
Microelectronics, Metal oxide semiconductors, Service life, Reliability, CMOS 04423
Microelectronics, Packaged components, Spectral analysis, Materials testing 02854
Nuclear reactors, Control systems, Design, Speech synthesis 03344
Operational equipment, Duane models, Repairable equipment, Reliability 02069
Phase shifts, Waveforms, Scanning electron microscopy, Integrated circuits 01271
Probability, Reliability, Electric power generation, Markov processes, Modeling 03405
Programmable controllers, Redundancy, Economics 05218
Reliability, Circuitry, Stress, Current, Metals 05242
Reliability, Integrated circuits, Printed circuit boards, Fault detection 02855
Rocket engines, Chemical variables measurement, Structural analysis 05268
Rubber, Surface properties, Crack propagation, Insulators 04921
Satellite communications, Economics, Insurance, Space shuttle insurance losses 08604
Scanners, Calibration, Thermal variables control 05688
Semiconductors, Integrated circuits, Transistors, Gold, Corrosion 03824
Semiconductors, Reliability, Thermal variables control, Ageing, Testing 05241
Spacecraft, Electronic equipment, Optics, Thrusters, Research and development 08596
Spacecraft, Tracking, Satellites, Technology 05274
Standby systems, Redundancy, Maintenance, Switching, Laplace transforms 03619
Standby systems, Reliability, Switching, Redundancy, Probability 08554
Standby systems, Repair, Maintenance, Laplace transforms, Theorem proving 03618
Standby systems, Switching, Distributions, Probability, Reliability 08555
Statistical analysis, Insulators, Conductivity, Standards, Pollution control 02474
Stress, Degradation, Solar cells 05620
Stress, Reliability, Service life 06945
Stress, Semiconductors, Reliability, Research and development 07544
Systems analysis, Reliability, Protection, Shut down logic, Numerical analysis 06941
Thermal variables measurement, Integrated circuits, Packaged components 02869
Thin films, Electric variables control, Displays, Circuitry, Voltage 08890
Thyristors, Thermal variables measurement, Diffusion, Current voltage 06769
Transmission lines, Design, Reliability, Probability, Loading 05817
Far infrared,
Absorption, Dielectricity, Dipoles, Hydrogen chloride, Deuterium chloride 07535
Bolometers, Detectors, Bismuth, Antennae, Thermal variables control 09065
Couplers, Josephson junctions, Antennae 00059
Detectors, Image processing, Antennae, Optical systems, Dissertation 06734
Detectors, Photoconductors, Video systems, Tokamaks 03919
Emissions, MOSFET, Electrons, Thermal variables measurement 05961
Emissions, Ozone, Gas lasers, Pumping, Frequency 07393
Emissions, Stratosphere, Noise 08408
Emissions, Tuning, Gallium arsenide, Indium antimonide 09201
Fabry Perot interferometers, Design, Etalons, Control systems 08406
Fourier transforms, Spectroscopy, Interferometers, Polarization 07335
Gas lasers, Carbon dioxide, Pumping, Numerical analysis 07355
Gas lasers, Methyl fluoride, Pumping, Design 07398
Gas lasers, Pumping, CD_3OH 00980
Gas lasers, Pumping, Vinyl chloride 05771
Image processing, Telescopes, Temperature, Solar activity 07068
Lasers, Detectors, Germanium, Photoconductors, Doping 00765
Lasers, Emissions, Pumping 09030
Lasers, Harmonics, Mixing, Oscillators, Schottky diodes 09195
Lasers, Interferometers, Tokamaks, Electron density 06727
Lasers, Microwaves, Irradiation, Resonance, Modulation 07340
Lasers, Optics, Excitation, Pumping 07363
Lasers, Pumping, Numerical analysis 07365
Lasers, Pumping, Resonance, Spectral analysis 08968
Lasers, Pumping, Spectral analysis, CHD_2F 05049

Far infrared, (continued)
Lasers, Spectroscopy, Gas lasers, Pumping 0901
Lasers, Waveguides, Oscillation, Microwaves 0573
Lasers, Waveguides, Oscillation, Wave propagation 0898
Planar processes, Pyroelectric devices, Detectors 0190
Pyroelectricity, Detectors, Power, Measurement, Calibration 0673
Salts, Lasers, Energy bands, Spectral analysis, Phase transitions 0258
Schottky diodes, Video systems, Detectors, Voltage 0755
Solar energy, Polypropylene, Composite materials, Filters 0378
Spectroscopy, Magnetic resonance, Lasers, Lithium erbium tetrafluoride 0504
Superconductivity, Tunnel junctions, Irradiation, Josephson junctions 0406
Superconductors, Specific heat, Liquid crystals, Phase transitions 0514
Superconductors, Specific heat, Liquid crystals, Vanadium silicide 0504
Fatigue,
Aircraft, Gauges, Crack propagation, Mathematical modeling, Dissertation 0046
Ceramics, Plasticity, Electric power transmission, Acoustic emissions 0330
Computer aided analysis, Automatic testing, Actuators 0025
Crack propagation, Acoustics 0197
Cryogenics, Polymers, Steel, Stiffness, Book 0744
Hydraulic control equipment, Servomechanisms, Scanning electron microscopy 0188
Polymers, Tensile strength, Thermal insulation, Rotating bodies, Machinery 0486
Service life, Fiber optics, Bending, Cables 0134
Soldering, Joints, Printed circuit boards, Fabrication 0767
Soldering, Printed circuit boards, Packaged components, Integrated circuits 0278
Stress, Nickel, Electrodes, Sintering 0833
Transmission lines, Conductors, Vibration, Strain gauges 0070
Fault detection,
Capacitors, Hydroelectric power generation, Inspection, Standards 0012
Circuit breakers, Recovery systems, Generators, Voltage, Transformers 0171
Circuit breakers, Solenoids, Superconductivity, Bias, Current 0420
Circuitry, Algorithms, Nonlinear equations 0606
Circuitry, Automatic testing, Coding, Logic 0067
Circuitry, Communication networks, Identification, Topology, Numerical analysis 0383
Circuitry, Decomposition, Networks, Fault tolerance, Identification 0878
Circuitry, Logic, Dictionaries, Simulation, Algorithms 0606
Circuitry, Measurement, Tellegen's theorem 0544
Circuitry, Military, Microelectronics 0764
Circuitry, Shift registers, Self-checking circuits 0765
Circuitry, Software development, Dictionaries 0606
Circuitry, Testing, Algorithms, Effect-cause analysis 0550
Circuitry, Testing, Information processing, Economics, Boundary value problems 00674
Circuitry, Testing, Voltage, Multiprocessors, Signal processing 06573
Circuitry, Transfer functions 08776
Circuitry, Voltage, Impedance, Equivalence, Numerical analysis 00665
Communication networks, Functions, Transformations, Circuitry, Logic 00668
Communication networks, Testing, Counters 09297
Computer aided analysis, Integrated circuits, Logic circuits 04446
Current, Transformers, Standards, Relays 01874
Current voltage, Circuit breakers, Superconductivity, Inductors, Circuitry 04289
Data transmission, Signal processing, Parameter estimation, Switching 01570
Downtime, Electric power generation, Control systems, Nuclear power plants 00196
Electric power generation, Circuit breakers, Switches, Resistors 04276
Electric power generation, Microprocessors, Protection, Synchronization 06554
Electric power transmission, Underground cables, Insulators 01733
Electron beams, Signal processing, Arrays, Semiconductors, Integrated circuits 06065
Error, Read only memory, Dissertation, Concurrent testing 00600
Excitation, Rectifiers, Synchronous machines, Current voltage 03261
Fabrication, Circuitry, Random access memory 04486
Fabrication, Integrated circuits, Control Automata 04468
Fabrication, Integrated circuits, Verification 07646
Fabrication, Transmission lines, Polyethylene, Insulators, Stress 00130
Failure, Algorithms, Redundancy, Error, Flight control systems 03623
Failure, Integrated circuits, Logic circuits, Transistors, Maintenance 06063
Failure, Reliability, Integrated circuits, Printed circuit boards 02855
Fiber optics, Materials testing, Signal transmission, Submarines, Cables 07710
Fiber optics, Signal to noise ratio 07701
Filters, Testing, Verification, Limit cycles 03814
Frequency, Matrices, Circuitry, Algorithms, Dissertation 03817
Generators, Winding, Motors 08176
Image processing, Scanning electron microscopy, Silicon, Integrated circuits 04467
Impedance, Transmission lines, Relays, Filters, Algorithms 01731
Insulators, Nondestructive testing, Dielectrics, Reflection 07537
Integrated circuits, Identification, Redundancy, Testing, Dissertation 06059
Integrated circuits, Metal oxide semiconductors, Communication networks 02856
Integrated circuits, Modeling, Simulation, Computer aided design 07105
Integrated circuits, Printed circuit boards, Built-in testing 07654
Internal combustion engines, Microprocessors, Reliability 02342
Logic circuits, Redundancy, Self-testing 02010
Mainframes, Electric power transmission, Impedance, Relays, Simulation 06621
Mathematical models, Terminals, Transmission lines, Circuitry, Dissertation 09085
Mathematical models, Transducers, Nondestructive testing 02670
Microelectronics, Energy bands, Filters 04470
Military equipment, Testing, Microelectronics 07658
Monitoring, Nuclear power plants, Control systems 05162
Nuclear reactors, Control systems, Monitoring 04988
Optimization, Probability, Circuitry, Input 01254
Power failure, Electric power transmission, Computer aided control 01785
Power plants, Conductors, Grounding, Relays 01715
Power plants, Electric power generation, Reliability 04959
Printed circuit boards, Inspection, Automatic testing 09300
Probability, Numerical analysis 06396
Programmable logic arrays, Computer aided design, Verification, PART 07656
Recording systems, Computer aided analysis, Power systems, Data collection 00104
Short circuits, Electrodes, Channels, Magnetohydrodynamics 00166
Signal processing, Telecommunications 09463
Simulation, Combinational circuits, Integrated circuits, Input output, Testing 06056

ult detection, (continued)
- Simulation, Transmission lines, Current voltage 07469
- Standards, Protective circuits, Voltage, Circuit breakers, Power systems 03834
- Switches, Transmission lines, Current voltage, Testing 02642
- Telecommunications, Networks, Maintenance, Troubleshooting 04659
- Testing. Networks, Topology 07151
- Transmission lines, Computer aided analysis 09101
- Transmission lines, Insulators, Dielectrics, Current 08198
- Transmission lines, Voltage, Corona, Discharges, Insulators 00100
- Traveling waves, Wave propagation, Surges, Transmission lines 01763
- Troubleshooting, Electronic equipment, Circuitry, Transistors 03815
- Utilities, Electric power generation, Recording systems, Georgia Power Company 08233
- Voltage, Switching, Power systems, Circuit breakers, Mining 03833

ult tolerance,
- Circuitry, Decomposition, Networks, Fault detection, Identification 08780
- Circuitry, Matrices, Simulation, Dynamical systems 08771
- Circuitry, Operational amplifiers 02424
- Communication networks, Packet switching, Broadcasting, Speech transmission 01449
- Communication networks, Signal transmission, Interference 04624
- Communications, Underwater technology, Fiber optics, Tensile strength 06145
- Computer programs, Minicomputers, Failure, Detection 06283
- Controllers, Transfer functions, Tracking, Parameter estimation, Lur'e plants 08560
- Education, Electric power generation, Computer programs, Displays 04953
- Electric power distribution, Channels, Recording systems, Statistical analysis 08267
- Electric power transmission, Short circuits, Simulation 08181
- Electronic equipment, Reliability, Technology 05239
- Encoding, Interactive systems 01590
- Fabrication, Integrated circuits, Thermal variables control 04756
- Fabrication, Microelectronics 07175
- Fabrication, Storage, Random access memory 04482
- Filters, Fabrication, Modeling 05461
- Filters, Frequency, Parameter estimation, Systems design 08757
- Gyroscopes, Accelerometers, Reliability, Failure, Probability 00450
- Identification, Power systems 06696
- Integrated circuits, Arrays, Architecture, Design 09268
- Integrated circuits, Computer aided design, Monte Carlo method 05919
- Integrated circuits, Signal processing, Monte Carlo method, CMOS, Crosstalk 08905
- Large scale integration, Redundancy, Inspection, Metal oxide semiconductors 09265
- Logic circuits, Error correcting codes, Boolean algebra, Modeling, Reliability 02837
- Metal oxide semiconductors, Process development, Lithographic masks 00814
- Metrology, Reliability, Electric variables measurement 08844
- Multiprocessors, Modeling 00595
- Multiprocessors, Signal processing, Architecture 03124
- Power systems, Testing, Stability, Turbines, Generators 08225
- Processors, Arrays, Architecture, Redundancy, Microelectronics 06012
- Processors, Image processing, Architecture 00890
- Protection, Communication networks, Control systems 00592
- Protocols, Packet switching, Local area networks, Throughput 04666
- Read only memory, Reliability, EPROM 03622
- Reliability, Circuitry, Generators, Testing, Computer programs 05500
- Sensitivity, Logic circuits 00681
- Simulation, Electric power transmission, Damping 06594
- Simulation, Metal oxide semiconductors, Logic circuits, Reliability 09205
- Software packages, Failure, Simulation, Dissertation 06057
- Stability, Cryogenics, Generators, Superconductivity, Electric power generation 04277
- Statistical analysis, Simulation, Integrated circuits 06032
- Systems design, Maintainability, Reliability 06943

ederal Republic of Germany,
- Government programs, Research and development, Space stations 08594

eedback,
- Amplifiers, Field effect transistors, Current voltage, Noise 05952
- Amplifiers, Filters, Compensation, Resistors 07187
- Antennae, Arrays, Control systems, Signal processing, Least squares estimation 00055
- Arrays, Signal processing, Filters, Channels, Dissertation 03166
- Automatic control, Gauges, Measurement 00243
- Boundary value problems, Controllers, Optimization 05194
- Broadcasting, Channels, Receivers, Radio communications, Reliability 09572
- Channels, Access, Codes, Noise, Signal processing 09564
- Channels, Transmission, Communications, Noise 04787
- Circuitry, Microcomputers, Servomechanisms, Computer aided design, Reliability 05389
- Conferencing circuits, Signal processing, Amplifiers, Voltage 03849
- Control, Dynamical systems, Structural analysis, Boundary value problems 02016
- Control systems, Output, Vectors, Measurement 08550
- Control systems, Sensitivity, Systems design, Education 02019
- Control systems, Sensors, Arc welding, Robots 02021
- Control systems, Tracking, Design 08545
- Control systems, Tracking, Time varying systems, Trajectories, Robots 00390
- Control theory, Sensitivity 06902
- Control, Transfer functions, Discrete time systems 05229
- Decision making, Radios, Performance, Simulation, Receivers 07686
- Distributed parameter systems, Control theory 05228
- Equivalence, Control systems, Canonical forms, Nonlinear systems, Dissertation 00236
- Fiber optics, Semiconductors, Technology, Signal transmission, Channels 04547
- Filters, Design, Stability, Convergence, Stochastic processes 07970
- Filters, Input, Amplifiers, Embedding, Circuitry 00634
- Filters, Loops, Stability, Switching, Control systems 00402
- Filters, Stability, Numerical analysis 07109
- Gain, Position control, Flight control systems, Aircraft engineering 05252
- Helicopters, Rotors, Loading, Computer aided control, Damping 03625
- Induction motors, Control systems, Modeling, Current 03273
- Logic, Modules, Design, Automation, Technology 07617
- Loops, Computer aided control, Distortion, Thyristors, Thyristor current source 05065
- Mathematical models, Controllers, Eigenvalues, Design, Testing 00425
- Microcomputers, Signal processing 00590
- Modulation, Radios, Receivers, Noise, AM 02909
- Modulation, Transient response, Semiconductor lasers, Communications 04022

Feedback, (continued)
- Multivariable systems, Reduced order observers, Control systems 05176
- Noise, Communication networks, Data transmission, Channels, Convergence 09319
- Optical analysis, Gain, Lasers 00919
- Optics, Processors, Partial differential equations, Image processing 00894
- Optimal control, Turbogenerators, Torque control, Voltage control 04887
- Oscillation, Stability, Image processing, Optics 00889
- Output, Control systems, Synthesis 00392
- Phase shift keying, Noise, Filters, Signal processing, Interference 02365
- Position control, Drives, Process control, Machine tools 01688
- Psychology, Testing, Simulation, Dissertation 00630
- Refractive indices, Modulation, Acoustics, Lasers 00967
- Semiconductor lasers, Noise, Acoustic variables measurement, Current 09002
- Signal processing, Amplitude, Channels, Satellite communications, Bandwidths 01413
- Signal processing, Control systems, Design, Parameter estimation 06342
- Signal processing, Switching, Converters, Frequency, Dissertation 03403
- Signal transmission, Channels, Error, Probability, Boundary value problems 01567
- Signal transmission, Frequency, Modulation, Controllers, Modems 07824
- Signals, Filtering, Gain, Optimization 09529
- Signals, Input, Error, Jump-resonance response 07121
- Stability, Circuitry, Integrals, Manifolds 08537
- Stability, Controllers, Design, Optimization, Simulation 04954
- Stability, Oscillators, Control 06940
- Superconductivity, Current, Dynamics, Thermoelectricity 01024
- Systems analysis, Control, Guaranteed roll-off 05170
- Time varying systems, Decoupling Control 05230
- Transmission systems, Motor vehicles, Optimal control 05428
- Voltage, Ampere, Optimization, Arc furnaces, Automatic control 03460

Fermi levels,
- Metal insulator semiconductors, Solar cells, Charge carriers, Interfaces 02523
- Solar cells, Chemical variables control, Adsorption, Etching 02504

Ferric oxide,
- Recording systems, Magnetic tapes, Audio systems, Video systems 05868

Ferrimagnets,
- Electronic structure, Magnetooptics, Spectral analysis, Oscillators 08926

Ferrites,
- Disks, Thin films, Radios, Frequency, Density 05862
- Films, Cubic crystals, Magnetization, Wave propagation 03500
- Garnet, Magnetooptics, Recording systems, Magnetization, Hysteresis 05852
- Transducers, Magnetization, Dynamics, Ni-Zn 04347
- Waveguides, Microwaves, Faraday rotation, Magnetic fields, Tensor permeability 05095

Ferroelectrics,
- Barium titanate, Bonds, Lattices, Paraelectricity 05883
- Electrooptics, Modulators, Fabrication, Lithium niobate 05695
- Ferroelectric crystals, Liquid crystals, Structural analysis, Paraelectricity 05694
- Tungsten bronze, Crystal growth, Czochralski method, Liquid phase epitaxy 07316

Ferromagnetics,
- Elastic waves, Electromagnetic fields 01942
- Resonance, Signals, Nuclear magnetic resonance 01895

Ferromagnetism,
- Electrons, Phonons, Coupling, Structural analysis, $GaMo_4X_8$ 08500
- Manganese telluride, Lasers, Spectral analysis, Semiconductors, Dissertation 01123

Ferromagnets,
- Chromium dioxide, Synthesis, Doping, Surface properties, Video systems 05865
- Iron, Magnetooptics, Emissions, Thermal variables measurement 07320
- Magnetic fields, Measurement, Electromagnets, Magnetization 07525
- Microstrips, Antennae, Resonance 06499
- Vacuum technology, Magnetic tapes, Fabrication, Thin films 05870

Ferrospinels,
- Ferrimagnets, Electronic structure, Magnetooptics, Spectral analysis 08926

Fiber optics,
- Accelerators, Electrons, Control systems, Voltage, Van de Graaff accelerator 07721
- Accelerometers, Fabrication, Testing, Transducers 07752
- Acoustics, Sensors, Interferometers, Filters, Lasers 07749
- Actuators, Propulsion, Aircraft engineering 06960
- Aerospace engineering, Spacecraft, Software packages, Signal transmission 07709
- Amplifiers, Optical communications, Receivers 09355
- Artificial intelligence, Image processing, Mechanical handling, Robots 09327
- Attenuation, Backscattering, Pulse broadening 06123
- Attenuation, Modes, Coupling, Numerical analysis 01353
- Backscattering, Wave propagation, Refractive indices 09371
- Bandwidths, Attenuation, Light, Wave propagation 07765
- Bandwidths, Optimization, Optics, Communications 07771
- Banking, Telecommunications, Citibank 06147
- Bending, Fatigue, Stress corrosion cracking 07697
- Birefringence, Measurement, Stress, Structural analysis 07744
- Birefringence, Polarization 09383
- Birefringence, Polarization, Stress 09372
- Buses, Data transmission, Channels, Multiplexing 01363
- Business forecasting, Capital investment, Japan 00841
- Cable television, Local area networks, United Kingdom 07783
- Cables, Bending, Fatigue, Service life 01343
- Cables, Communications 07753
- Cables, Communications, Signal processing, Technology, Research and development 06137
- Cables, Design, Optical properties, Attenuation 07734
- Cables, Design, Structural analysis, Thermal variables measurement 07751
- Cables, Elasticity, Buckling, Adhesives, Failure 07696
- Cables, Electromagnetics, Wave propagation 09360
- Cables, Materials testing, Mechanical strength, Submarines, Design 09328
- Cables, Offshore engineering, Telecommunications, Data transmission 09339
- Cables, Polarization, Birefringence 07770
- Cables, Satellite communications, Data transmission, Speech transmission 01433
- Cables, Underwater technology, State of the art 06148
- Cables, Underwater technology, Tensile strength, Velocity, Vibration 02930
- Cables, Well logging, Offshore structures 09340
- Channels, Modulation, Pulse generation, Bandwidths 01583

Fiber optics, (continued)
Channels, Pulse generation, Channel capacity, Modulation, Coding 01584
Chemical vapor deposition, Fabrication, Transmission, Performance 09373
Chemical vapor deposition, Fluid mechanics, Silicon dioxide, Optics 01337
Coatings, Mechanical strength, Fusion splices 09393
Communication networks, Cable television, State of the art 07748
Communication networks, Information retrieval, EPCOT Center 07731
Communication networks, Integrated systems, Interfaces, Sensors 04551
Communication networks, Performance, Computer aided design, Economics 09337
Communication networks, Radios, Planning, Australia 04549
Communication networks, Speech recognition, State of the art 07729
Communications, Cables, Bandwidths, Materials testing 07762
Communications, Channels, Noise 07702
Communications, Data transmission, Codes 04548
Communications, Electric power transmission 04554
Communications, Gallium arsenide, Surface properties, Photoconductors 03921
Communications, Glass, Fabrication, Cladding 04568
Communications, Integrated circuits, Speech synthesis 03085
Communications, Local area networks, Performance 01317
Communications, Modulation, Semiconductor lasers, Integrated circuits 01356
Communications, Performance, Attenuation, Wavelengths 07738
Communications, Semiconductor lasers, Epitaxial growth, Electrooptics 03971
Communications, Semiconductor lasers, Stability, Wave propagation 04030
Communications, Solitons, Schrodinger equations 06146
Communications, Specifications 07716
Communications, Speckle, Optical analysis, Contrast 09379
Communications, Stability, Information retrieval 09378
Communications, State of the art 01324
Communications, Technological forecasting, Modes, Cost benefit analysis 07764
Communications, Technological forecasting, Testing 06155
Communications, Technology, Systems design 09346
Communications, Transmission, Multiplexing 06122
Components, Quality control, Nondestructive testing, Lasers 00985
Composite materials, Wire, Transmission lines, Digital systems 07755
Connectors, Transmission lines, Tolerance, Alignment 02935
Couplers, Polarization, Birefringence, Fabrication 09361
Couplers, Remote sensing, Spectrophotometry 07722
Coupling, Lasers, Connectors, Packaged components, Performance 09385
Coupling, Modes, Power 07766
Coupling, Semiconductor lasers, Modes, Fabry Perot interferometers 00966
Coupling, Semiconductor lasers, Power, Modeling 00911
Cuttoff, Wavelengths, Design, Cladding 09392
Data bases, Data transmission, Buses, Multiplexing, Channels 01364
Data communications, Local area networks, Noise, Safety, Economics 04553
Data communications, Structural analysis, Design, Wave propagation 04556
Data transmission, Lasers, Technological forecasting, Modulation 01361
Data transmission, Research and development, History 06144
Data transmission, Sensors, Industry, Circuitry, Military 04552
Data transmission, Technology, Systems design 01360
Data transmission, Telecommunications, Underwater technology 06142
Data transmission, Underwater technology, Transmission lines, Channels 01370
Design, Fabrication, Sensors, Gyroscopes, Modulators 07730
Design, Optical communications, Data transmission 09382
Design, Stress, Mechanical strength 01326
Detectors, Lasers, Sonar, Wave propagation, Dissertation 01536
Dielectrics, Cladding, Numerical analysis 05889
Diffusion, Fabrication, Integrated circuits 04570
Dispersion, Computer aided analysis, Programmable calculators 07698
Displays, Helicopters, Image processing, Scanners, Laboratories 05246
Education, Engineering, Electronics education 03770
Electric power generation, Multiplexing, Protection, Reliability 04915
Electric power transmission, Testing, Microwaves, UHV, EHV 08263
Electric power transmission, Transmission lines, Cables, Protection 06143
Electromagnetics, Wave propagation, Joints, Statistical analysis 01352
Electromagnetics, Wave propagation, Modes, Joints 01351
Electronic equipment, Local area networks, Interfaces, Microcomputers 02313
Electronic equipment, Sensors, Automation 07695
Electrooptics, Light emitting diodes, Multiplexing 00822
Encoding, Signal transmission, Position control, Reliability, Sensors 03569
Excitation, Signal processing, Multiplexing, Dissertation 06162
Fabrication, Economics, Wavelength division multiplexing 01332
Fabrication, Performance, Refractive indices, Optical properties 07732
Fabrication, Polarizers, Stress 04543
Fabrication, Technology 06139
Fault detection, Signal to noise ratio 07701
Feasibility studies, Groundwater, Monitoring, Contaminants 07017
Flow measurement, Transducers 07508
Frequency, Measurements, Numerical analysis 07773
Furnaces, Fuels, Flames, Lasers, Raman spectroscopy 03483
Gallium arsenide, Generators, Error detection, Transmission lines 06002
Glass, Drawing, Phosphates 04550
Gyroscopes, Navigation, Research and development 07745
Gyroscopes, Wavelengths, Modulators, Frequency, Signal processing 07747
Holography, Interferometry, Focusing, Optical systems 00995
Hydroelectric power generation, Generators, Sensors, Air gaps 01703
Image processing, Refractive indices, Filters, Coding, Transmission 01345
Industry, Research and development, State of the art 07713
Instrumentation, Specifications, Data collection 04555
Insulators, Wavelengths, Cladding 01931
Interferometers, Sensors, Rotating bodies, Gyroscopes, Dissertation 04545
Interferometry, Image processing, Optimization, Focusing 00893
Interferometry, Vibration, Displacement, Remote sensing, Dissertation 00886
Isolators, Design, Birefringence, Temperature 09376
Japan, Data transmission, Channels 01365
Japan, Telecommunications, Transmission, Switching, Reliability 09415
Laser diodes, Silicon dioxide, Light, Amplification 08978

Fiber optics, (continued)
Lasers, Diodes, Lenses, Coupling 09359
Lasers, Raman effect, Amplifiers, Signal processing 09374
Lasers, Sensors, Pressure, Thermal variables measurement 06136
Lasers, Signal transmission, Detection, Phase shift keying, Monomode links 04557
Lasers, Spectral analysis, Electromagnetics, Wave propagation 07769
Lasers, Velocity measurement, Flow of liquids 04042
Lenses, Refractive indices, Coupling, Gallium aluminum arsenide 07295
Light emitting diodes, Coupling, Computer aided analysis, Packaged components 07303
Local area networks, Architecture 09573
Local area networks, Architecture, Buses, Performance, Integrated circuits 08727
Local area networks, Data transmission, Private branch exchange 02931
Local area networks, Economics, Cables 06149
Local area networks, Interfaces, Protocols 07714
Local area networks, Logic, Integrated systems, Information services 02913
Local area networks, Plastics, Attenuation, Testing, Research and development 06152
Local area networks, Plug compatibility, Fibernet II 04572
Local area networks, Plug compatibility, Mainframes, Minicomputers 05411
Local area networks, Speech transmission, Protocols, Routing, Robustness 09343
Local area networks, Systems design, RIPS-Net 09345
Local area networks, Telecommunications, Systems design 01372
Local area networks, Topology, Buses, Structural analysis 09363
Local area networks, Transmission lines, Economics, Error 02920
Local area networks, Waves, Technology, Protocols, Research and development 02922
Magnetic fields, Refractive indices, Switching 04544
Manufacturing, Optimization, Costs 09364
Manufacturing, Standards, Government policies, Marketing 06150
Materials testing, Signal transmission, Fault detection, Submarines, Cables 07710
Measurement, Gases, Absorption, Sensors 09329
Mechanical strength, Cables, Materials testing, Thermal variables measurement 09330
Mechanical strength, Coatings, Fabrication, Testing 09365
Microscopy, Alignment, Ray tracing, Image processing 09387
Microwave devices, Noise, Sensors, Signal processing, Radar 06160
Military engineering, Sights, Design, Resolution 00809
Modes, Attenuation, Radiometry, Filters 01347
Modes, Coupling, Classification, Polarization 01349
Modes, Polarization, Electromagnetics, Wave propagation, Birefringence 01355
Modulation, Channels, Bandwidths, Receivers, Sensitivity 01373
Modulation, Waveguides, Heterostructure lasers, InGaAsP 09115
Multiplexers, Optical communications, Lenses, Fabrication, Design 09366
Multiplexing, Transmission, Image processing 04567
Multiplexing, Wavelengths, Optical communications, Performance 09350
Networks, Couplers, Capacity planning 01348
Networks, Couplers, Optimization, Costs 09375
Networks, Data transmission, Systems design 07718
Networks, Office automation, Data communications, Telecommunications 01340
Networks, Transmission, Architecture, Economics 07728
Noise, Prediction, Probability, Density, Extrapolation 04558
Noise, Signal to noise ratio 07715
Nuclear energy, Monitoring, Telemetry, Remote sensing, Prototyping 02925
Office automation, Satellite communications, Microwave devices 04605
Optical communications, Cables, Underwater technology, Design 09347
Optical communications, Data transmission, Alignment, Splicing 09352
Optical communications, Data transmission, Fabrication, Cables, Splicing 09384
Optical communications, Heterostructure lasers, Data transmission 09356
Optical communications, Laser diodes, Performance, InGaAsP/InP 09367
Optical communications, Phase shift keying, Research and development 09348
Optical communications, Signal processing, Wave propagation 06135
Optical communications, Wavelengths, Characterization 09389
Optical variables measurement, Communications, Design 01325
Oscillators, Refractive indices 01354
Oxidation, Glass, Refractive indices, Data communications 04569
Parameter estimation, Standards, Manufacturing 07772
Polarization, Birefringence, Stress 04564
Polarization, Dispersion, Phase shifts, Birefringence 07767
Polarization, Optical analysis 09391
Polynomials, Approximations, Numerical analysis, Instrumentation 09357
Pressure, Deformation, Bending 02936
Pressure, Transducers, Mechanical strength, Stability 09132
Probes, Microcomputers, Data collection, Flow of liquids, Nuclear reactors 03547
Production, Machining, Communications 09421
Receivers, Communications, Design, Performance 07733
Receivers, Design, Signal transmission, Coding, Noise 07694
Receivers, Design, Transmission, Wavelengths 09390
Reflection, Wavelengths, Measurement 07742
Refractive indices, Apertures, Photodetectors, Integrated circuits 04546
Refractive indices, Scattering, Dispersion, Computer aided analysis 07760
Refractive indices, Visible range, Scanning 07768
Research and development, Military aircraft, Speech recognition 05255
Research and development, Missiles, Guidance and control systems, Simulation 06986
Satellite communications, Underwater technology, Cables, Broadcasting 09409
Satellites, Remote sensing, LANDSAT 07720
Scattering, Attenuation, Wave propagation, Degradation 08025
Scintillators, Quality control 05158
Semiconductor lasers, Data transmission, Wavelengths 01334
Semiconductor lasers, Dispersion, Spectral analysis, Resolution 09362
Semiconductor lasers, Light, Amplifiers, Technological forecasting 07699
Semiconductor lasers, Noise, Video systems, Transmission 04017
Semiconductor lasers, Signal processing, Data transmission 02594
Semiconductors, Energy conversion, Vibration, Monitoring, Thin films 07661
Semiconductors, Technology, Signal transmission, Channels, Feedback 04547
Sensors, Calibration 05597
Sensors, Communication networks, Technology, Industry, Research and development 04340
Sensors, Design, Geophysics 07746
Sensors, Electric fields, Piezoelectricity, Polymers 01358
Sensors, Interferometers, Research and development 03949

er optics, (continued)
Sensors, Lasers, Flow, Measurement, Simulation ... 04341
Sensors, Nondestructive testing, Product development ... 01318
Sensors, Radiation, Dosimetry ... 07726
Sensors, Thermal variables measurement, Transformers, Data collection ... 06569
Sensors, Valves, Light scattering ... 01377
Service life, Semiconductors, Light emitting diodes ... 01362
Chips, Remote sensing, Sensors, Standards ... 07708
Signal processing, Data transmission, Sensors ... 02662
Signal processing, Integrated circuits, Data transmission, Waveguides ... 01335
Signal processing, Personal computers, Software ... 01341
Signal processing, Receivers, Design, Testing ... 06154
Signal processing, Speech transmission, Multiplexing ... 09333
Signal reception, Amplifiers, Noise, State of the art ... 09341
Signal transmission, Technology, Trunks, Communication networks ... 02928
Signal transmission, Televisions ... 09349
Silicon dioxide, Communications, Injection lasers, InP/InGaAsP ... 07757
Silver halide, Attenuation, Wave propagation, Optical analysis ... 07725
Solar cells, Silicon, Tin oxide, Waveguides ... 05608
Space technology, Satellite communications ... 07750
Spectral analysis, Dispersion ... 07740
Standards, Local area networks, Reliability, Electric power transmission ... 07719
Standards, Local area networks, Technological forecasting, Testing ... 06151
Standards, Measurement ... 07736
Steel, Crack propagation, Loading, Composite materials, Manufacturing ... 05038
Strain, Compression testing ... 04565
Strain, Deformation, Thermal variables measurement ... 06156
Stress, Birefringence, Anisotropy, Green functions ... 09386
Stress, Polarization, Tensile testing, Finite element method ... 09380
Stress, Polarization, Tensile testing, Finite element method ... 09381
Submarines, Reliability, Telecommunications, Product development ... 01369
Submarines, Technological forecasting, Reliability ... 01368
Surface acoustic waves, Acoustic variables measurement, Sensors ... 04344
Surface acoustic waves, Filters, Data transmission ... 01357
Tachometers, Rotating bodies, Velocity ... 02549
Technological forecasting, Business statistics, Telecommunications, Satellites ... 01342
Technology, Communications, Economics, Satellite communications ... 04522
Technology, Manufacturing, Telecommunications, Research and development ... 06140
Technology, Thermal variables measurement, Fluoroptic^{TM} Thermometry ... 06714
Telecommunications, Architecture, Economics ... 07741
Telecommunications, Bandwidths, Time measurement ... 09342
Telecommunications, Broadcasting, Televisions, Transmission lines ... 02933
Telecommunications, Cable television, Pacific Telephone and Telegraph ... 07724
Telecommunications, Cable television, Technological forecasting ... 07782
Telecommunications, Data transmission, Economics, State of the art ... 04566
Telecommunications, Detectors, Multiplexing ... 09354
Telecommunications, Germany, Technological forecasting ... 01366
Telecommunications, Networks, Research and development ... 07737
Telecommunications, Networks, Technology ... 07743
Telecommunications, Optimization, Light emitting diodes ... 07946
Telecommunications, Research and development, Data transmission ... 01359
Telecommunications, Research and development, Japan ... 02912
Telecommunications, Technological forecasting, Video systems ... 01367
Telemetry, Multiplexing, Underwater technology, Signal transmission ... 07050
Telephones, Transmission lines, Technology, North America ... 02927
Telephones, Trunks, Transmission lines, Testing, Europe ... 02926
Thermal variables measurement, Technology, Multiplexing, Sensors ... 03414
Thermodynamics, Mechanical strength ... 01321
Thyristors, Power Switches ... 07717
Transmission, Cables, Underwater technology, Marine engineering ... 07761
Transmission, Design, Performance ... 07759
Transmission lines, Grounding, Telecommunications ... 00094
Transmission lines, Telecommunications, Splicing ... 01376
Transmission lines, Telecommunications, Wavelengths, Trunks ... 02929
Transmission, Local area networks, Japan, State of the art ... 07739
Transmission, Local area networks, Protocols, Hubnet ... 04571
Transmission, Telephones, Light emitting diodes, Junctions ... 09369
Transmission, Wavelengths, Fabrication, Performance ... 09368
Tubes, Fusion, Fabrication ... 09351
Underwater technology, Communications, Fault tolerance, Tensile strength ... 06145
Underwater technology, Data transmission, Technological forecasting ... 01371
Underwater technology, Mining, Cables, Signal transmission, Mechanical strength ... 07042
Velocity, Reflectance, Image processing, X rays ... 03452
Vibration, Noise, Cables ... 02934
Wave propagation, Coupling, Pulses, Flow, Numerical analysis ... 06141
Wave propagation, Dielectrics, Waveguides ... 00025
Wave propagation, Modes, Dispersion ... 01346
Wave propagation, Transducers, Photoelasticity, Strain, Deformation ... 07756
Waveguides, Coupling, Sensors, Polarization ... 07486
Waveguides, Gas lasers, Acoustooptics, Spectroscopy, Dissertation ... 00855
Waveguides, Polarization, Mathematical models ... 09388
Waveguides, Telecommunications, Refractive indices, Heterostructure lasers ... 07758
Waveguides, Telephones, Multiplexing, Data transmission ... 01471
Wavelengths, Materials planning and control, Amplifiers, Detectors ... 01375
Wavelengths, Multiplexing, Signal transmission ... 07727
Wire, Networks, Process control, Data transmission ... 01350
ers,
Carbon, Graphitization, Electrical conductivity, Mechanical strength ... 06579
Conductivity, Laplace force, Charge carriers, Current ... 02469
Textile industry, Discharges, Electrodes, Textile industry ... 01729
ld effect transistors,
Amplifiers, Broadcasting, Satellite communications, Receivers, Noise ... 03851
Amplifiers, Communication networks, Topology, Microwave devices ... 03852
Amplifiers, Cryogenics, Astronomy, Infrared ... 01907
Amplifiers, Current voltage, Noise, Feedback ... 05952
Amplifiers, Filters, Cooling, Noise ... 08814

Field effect transistors, (continued)
Amplifiers, Power, Frequency, Gallium arsenide ... 08806
Amplifiers, Switching, Input, Bipolar devices, Integrated circuits ... 02431
Approximations, Delay, Metal oxide semiconductors, Integrated circuits ... 05941
Approximations, Voltage, Channels, Metal oxide semiconductors ... 07586
Barrier heights, Schottky effect, Contacts, Amorphous materials, Si-Ge-B ... 04399
Breakdown, Current, Numerical analysis, JFET ... 09255
Breakdown voltage, Doping, MOSFET ... 01185
Capacitance, Channels, Thickness measurement, Insulators, Logic circuits ... 01180
Carrier mobility, Metal oxide semiconductors, Logic circuits, Channels ... 02772
Channels, Metal oxide semiconductors, Integrated circuits, Testing ... 01272
Channels, Metal oxide semiconductors, Integrated circuits, Fabrication ... 09221
Charge carriers, Photoconductivity, Metal oxide semiconductors, Visible range ... 02754
Circuitry, Modeling, Semiconductors, Gallium arsenide, Signal processing ... 01182
Communication networks, Topology, Amplifiers, Gallium arsenide, Dissertation ... 08801
Computer aided design, Metal oxide semiconductors, Geometry, Channels ... 01183
Current voltage, Drain, Modeling, IGFET ... 04418
Current voltage, Simulation, Monte Carlo method, MESFET ... 02758
Degradation, Metal oxide semiconductors, Logic circuits, Oxidation ... 01194
Design, Fabrication, Silicon, Photodetectors, Technology ... 07256
Differential resistance, Heterojunctions, Aluminum gallium arsenide ... 05075
Displays, Metal oxide semiconductors, Channels, Integrated circuits ... 08895
Doping, Transconductance, Voltage, Hall effect ... 04428
Electron gases, Fabrication, Epitaxial growth, Heterostructures ... 09234
Energy bands, Semiconductors, Channels ... 01205
Epitaxial growth, Selenium, Doping, Gallium arsenide, Surface properties ... 04432
Fabrication, Computer aided design, Simulation ... 06778
Fabrication, Heterojunctions, Doping, Aluminum gallium arsenide ... 07606
Fabrication, Noise, Microwave devices, Integrated circuits, Performance ... 04421
Gallium arsenide, Amplifiers, Ageing, Reliability ... 08803
Gallium arsenide, Amplifiers, Bipolar junction transistors, Design ... 07188
Gallium arsenide, Amplifiers, Computer aided design ... 08807
Gallium arsenide, Amplifiers, Computer aided design, Satellite communications ... 03853
Gallium arsenide, Amplifiers, Frequency, Power ... 08815
Gallium arsenide, Amplifiers, Microwaves, Fabrication, Design ... 08802
Gallium arsenide, Amplifiers, Phase shifts, Design ... 08813
Gallium arsenide, Amplifiers, Power, Signal processing ... 08810
Gallium arsenide, Amplifiers, Satellite communications ... 03003
Gallium arsenide, Breakdown, Voltage, Microwaves ... 09237
Gallium arsenide, Circuitry, Frequency, Impedance, Transconductance ... 08071
Gallium arsenide, Computer aided design, Microwaves, Circuitry ... 09546
Gallium arsenide, Current, Simulation, Electron beams, Radiation ... 01221
Gallium arsenide, Density, Logic circuits, Electric variables measurement ... 07589
Gallium arsenide, Doping, Piezoelectricity, Surface acoustic waves ... 08475
Gallium arsenide, Electroplating, Mechanical strength ... 04407
Gallium arsenide, Gain, Noise, GaAs preamplifiers ... 05954
Gallium arsenide, Indium phosphide, Channels ... 01207
Gallium arsenide, Integrated circuits, Fabrication, Computer aided design ... 09225
Gallium arsenide, Logic circuits, Large scale integration, Simulation ... 04508
Gallium arsenide, Logic circuits, Signal processing ... 04493
Gallium arsenide, Microwaves, Satellite communications ... 04425
Gallium arsenide, Microwaves, X-rays, Flux ... 03456
Gallium arsenide, Oscillators, Dielectrics, Resonators ... 02652
Gallium arsenide, Oscillators, Dielectrics, Resonators ... 07493
Gallium arsenide, Scattering, Noise, Microwaves, Amplifiers ... 09254
Gallium arsenide, Schottky diodes, Logic circuits, Fabrication ... 02769
Gallium arsenide, Semiconductors, Aerospace engineering, Satellites, Circuitry ... 01245
Germanium, Neutrons, Doping, Heat treatment, Bolometers ... 01894
HEMT, Gallium arsenide, Drain, Noise ... 01212
Heterojunctions, Aluminum gallium arsenide, Gallium arsenide, Doping ... 05972
Indium phosphide, MISFET, Fabrication, Capacitance voltage ... 09243
Insulators, Semiconductors, Fabrication ... 01187
Integrated circuits, Biomedical engineering, Transducers, Electronic equipment ... 06992
Integrated circuits, Computer aided design, Simulation, Silicon, Dissertation ... 09218
Integrated circuits, Fabrication, Accelerometers, Dissertation ... 01030
Integrated circuits, Gunn diodes, Modeling, Dissertation ... 01259
Integrated circuits, Metal oxide semiconductors, Partial differential equations ... 04417
Integrated circuits, Potentiometers, Signal processing ... 04445
Ion implantation, Gallium arsenide, Logic circuits ... 09222
ISFET, Electrochemistry, Charge, Sensors ... 04426
JFET, Bipolar devices, Thermal variables measurement, Voltage ... 07614
JFET, Pn junctions, Gallium arsenide, Doping ... 05976
Junctions, Random access memory, Integrated circuits ... 04434
Logic circuits, Arrays, Input output, Buffers, Metal oxide semiconductors ... 07639
Logic circuits, Deformation, Metal insulator semiconductors, Sensors ... 04405
Logic circuits, Energy loss, Semiconductors, Dissertation ... 01210
Logic circuits, Gallium arsenide, Research and development, MODFET ... 09223
Logic circuits, Metal insulator semiconductors, Fabrication ... 01218
Logic circuits, Metal oxide semiconductors, Channels, Current ... 01195
Logic circuits, Multipliers, Gallium arsenide, Fabrication ... 04473
Logic circuits, Power, Dissipation ... 01219
Logic circuits, Structural analysis, Fabrication, Voltage ... 02778
Logic, Frequency dividers, Fabrication ... 05501
Logic, Integrated circuits, MOSFET, Computer aided design ... 01186
MESFET, Amplifiers, Gallium arsenide, Computer aided design ... 08805
MESFET, Channels, Drift velocity, Transconductance, Transducers ... 05973
MESFET, Fabrication, Molecular beam epitaxy, Heterojunctions, Dissertation ... 09181
MESFET, Gallium arsenide, Annealing, Channels ... 05938
MESFET, Gallium arsenide, Current voltage, Scattering, Integrated circuits ... 09227
MESFET, Gallium arsenide, Dislocations, Voltage ... 09226
MESFET, Gallium arsenide, Doping, Channels, Performance ... 09235
MESFET, Gallium arsenide, Doping, Microwaves, Performance ... 05984
MESFET, Gallium arsenide, Fabrication, Ion implantation, Channels ... 04430
MESFET, Gallium arsenide, Fabrication, Transconductance ... 07603
MESFET, Gallium arsenide, Gates, Molecular beam epitaxy, Etching ... 09249
MESFET, Gallium arsenide, Integrated circuits ... 05957

Field effect transistors, (continued)
MESFET, Gallium arsenide, Interfaces, Fabrication, Microwaves 05983
MESFET, Gallium arsenide, Ion implantation, Boron, Silicon 05967
MESFET, Gallium arsenide, Ion implantation, Microwaves 04831
MESFET, Gallium arsenide, Ion implantation, Transconductance, Carrier mobility 09253
MESFET, Gallium arsenide, Logic circuits, Design 09248
MESFET, Gallium arsenide, Microwaves, Amplification 05964
MESFET, Gallium arsenide, Microwaves, Amplifiers, Stability 08811
MESFET, Gallium arsenide, Noise, Diffusion 07607
MESFET, Gallium arsenide, Transport properties, Computer aided analysis 05981
MESFET, Gallium indium arsenide, Illumination, Voltage 05986
MESFET, Indium phosphide, Transconductance 07592
MESFET, Ion implantation, Gallium arsenide, Frequency, Performance 07599
MESFET, Microwaves, Gallium arsenide, Modeling 08070
MESFET, Mixers, Computer aided design 08072
MESFET, Passivation, Gallium arsenide, Silicon nitride, Silicon monoxide 07601
MESFET, Semiconductors, Heterojunctions, Millimeter waves 05906
Metal insulator semiconductors, Indium phosphide, Logic circuits 01226
Metal insulator semiconductors, Indium phosphide, Logic circuits, Anodes 01228
Metal insulator semiconductors, Insulators, Aluminum gallium arsenide 01204
Metal insulator semiconductors, Logic circuits, Charge mobility, Anodes 01227
Metal insulator semiconductors, Logic circuits, Pulse generation, Channels 01230
Metal insulator semiconductors, Radiation, Gain 09252
Metal insulator semiconductors, Trapping, Indium phosphide 01229
Metal oxide semiconductors, Bias, Wideband drivers 07581
Metal oxide semiconductors, Bipolar transistors, Voltage, Protection 04419
Metal oxide semiconductors, Carrier mobility, Capacitance, Transconductance 01234
Metal oxide semiconductors, Channels, Carrier mobility, Electrons 02738
Metal oxide semiconductors, Channels, Modeling, Structural analysis 01224
Metal oxide semiconductors, Channels, Noise 01209
Metal oxide semiconductors, Channels, Signal processing, Capacitance 02753
Metal oxide semiconductors, Charge carriers, Diffusion, Space charge, Voltage 01213
Metal oxide semiconductors, Charge coupled devices, Sensors, Amplifiers 01211
Metal oxide semiconductors, Charge, Doping, Channels 02739
Metal oxide semiconductors, Circuitry, Amplifiers, Quality control 02436
Metal oxide semiconductors, Circuitry, Interpolation, Simulation, Modeling 01225
Metal oxide semiconductors, Conductance, Insulators, Modeling 01189
Metal oxide semiconductors, Crystal growth, Lasers, Logic circuits 02764
Metal oxide semiconductors, Current voltage, Channels, Drain 04444
Metal oxide semiconductors, Degradation, Electric fields, Oxidation 01194
Metal oxide semiconductors, Doping, Channels, Voltage 02755
Metal oxide semiconductors, Drains, Simulation, Integrated circuits 01261
Metal oxide semiconductors, Electric fields, Distributions, Voltage, Simulation 01222
Metal oxide semiconductors, Electrical resistance, Current voltage, Drain 01927
Metal oxide semiconductors, Fabrication 05987
Metal oxide semiconductors, Fabrication, Doping, Channels 04442
Metal oxide semiconductors, Fabrication, J-MOS 07612
Metal oxide semiconductors, Gallium arsenide, Ion implantation, Silicon 04436
Metal oxide semiconductors, Geometry, Integrated circuits, Modeling 01264
Metal oxide semiconductors, Hall effect, Conductivity, Measurement errors 02737
Metal oxide semiconductors, Insulators, Logic circuits, Inversions 02773
Metal oxide semiconductors, Integrated circuits, Physics, Modeling 02833
Metal oxide semiconductors, Irradiation, Silicon, Power systems, Conductors 02749
Metal oxide semiconductors, Logic circuits, Channels, Voltage 01215
Metal oxide semiconductors, Logic circuits, Current, Channels 02742
Metal oxide semiconductors, Logic circuits, Fabrication, Silicon, Density 05940
Metal oxide semiconductors, Logic circuits, Thermal variables measurement 01191
Metal oxide semiconductors, Magnetic fields, Oscillation, Frequency 02736
Metal oxide semiconductors, Memory, Logic circuits, Arrays 07587
Metal oxide semiconductors, Modeling 04390
Metal oxide semiconductors, Modeling, Channels 01197
Metal oxide semiconductors, Modeling, Current voltage 05944
Metal oxide semiconductors, Modeling, Electrons, Laplace transforms 04416
Metal oxide semiconductors, Motors, Computer aided control, Switching 01686
Metal oxide semiconductors, Photodetectors, Silicon, Electrooptics 02762
Metal oxide semiconductors, Power systems, Gain, Voltage, Dissertation 01208
Metal oxide semiconductors, Precision engineering, Computer aided design 05946
Metal oxide semiconductors, Punchthrough current, Modeling 02760
Metal oxide semiconductors, Schottky diodes, Charge carriers, Interfaces 04406
Metal oxide semiconductors, Simulation, HP-SPICE 05945
Metal oxide semiconductors, Surface barrier transistors 02732
Metal oxide semiconductors, Thermal variables measurement, Oscillators, Delay 01216
Metal oxide semiconductors, Thermodynamics, Channels 09210
Metal oxide semiconductors, Thermodynamics, Testing 09207
Metal oxide semiconductors, Transistors, Transconductance, Stress 01236
Metal oxide semiconductors, Voltage, Bias, Simulation 09217
Microwave devices, Resonators, Amplifiers, Receivers, Broadcasting 03850
Microwaves, Networks, Amplifiers 03854
Microwaves, Oscillators, Gallium arsenide, Noise 01217
Millimeter waves, Data communications, Receivers 01898
MISFET, Fabrication, Electrical properties, Germanium nitride, Dissertation 09228
MISFET, Gates, Capacitance, Charge, Voltage 07597
MISFET, Indium gallium arsenide, Transconductance, Current voltage 05073
MISFET, Indium phosphide, Carrier mobility, Capacitance voltage, Aluminum oxide 05567
MISFET, Indium phosphide, Tunneling, Injection, Capacitance voltage 05949
Mixers, Thin films, Gallium arsenide, Fabrication 04427
Modeling, Bipolar operations 01179
Modeling, Drift diffusion current, Computer aided design 02767
MODFET, Current voltage, Performance, Cryogenics, Thermal variables measurement ... 09244
MODFET, Fabrication, Ion implantation, Transconductance, Current voltage 05968
MODFET, Scattering, Capacitance, Bias, Transconductance 07609
Modulation, Logic circuits, Voltage 01206
Molecular beam epitaxy, Indium gallium arsenide, Beryllium, Ion implantation 01192
Monte Carlo method, Silicon, Metal oxide semiconductors, Bipolar devices 02766
MOSFET, Aluminum, Polysilicon, Fabrication, Heat treatment 07668
MOSFET, Breakdown, Voltage, Dissertation 05966

Field effect transistors, (continued)
MOSFET, Channels, Performance, Numerical analysis 059
MOSFET, Channels, Potentials, Transconductance 092
MOSFET, Current voltage, Conductance 059
MOSFET, Degradation, Electrons, Injection, Channels 059
MOSFET, Degradation, Electrons, Injection, Thermal variables measurement 059
MOSFET, Degradation, Transconductance, Hot electrons 059
MOSFET, Design, Electric fields, Voltage, Channels 092
MOSFET, Doping, Boron, Voltage, Numerical analysis 059
MOSFET, Fabrication, Channels, Tantalum, Silicon 092
MOSFET, Fabrication, Design, Integrated circuits 075
MOSFET, Fabrication, Planar processes, Photolithography, Dissertation 059
MOSFET, Far infrared, Emissions, Electrons, Thermal variables measurement 059
MOSFET, Indium phosphide, Insulators, Channels, Transport properties 075
MOSFET, Injection, Charge carriers, Channels, Surface states 059
MOSFET, Integrated circuits, Molecular beam epitaxy, Silicon 059
MOSFET, Integrated circuits, Temperature, Current voltage, Dissertation 059
MOSFET, Inverters, Switching, Frequency, Silicon 076
MOSFET, Noise, Carrier mobility, Voltage 076
MOSFET, Performance, Gases, Sensors 092
MOSFET, Polysilicon, Channels, Electrical conductivity 059
MOSFET, Polysilicon, Frequency, Oscillation 075
MOSFET, Power transistors, Current voltage 075
MOSFET, Silicon, Photodetectors 055
MOSFET, Silicon, Thin films, Current voltage, Carrier mobility 075
MOSFET, Silicon, Thin films, Grain boundaries 092
Multiplexers, Amplifiers, ISFET 055
Networks, Ports, Signal processing, Circuitry, Dissertation 027
Ohmic contacts, Fabrication, Epitaxial growth, Indium gallium arsenide 092
Optoelectronics, Modulation, Bandwidths, MESFET 089
Oscillators, Metal oxide semiconductors, Stability, Dielectrics, Resonators 024
Phase shift keying, Logic circuits, Fabrication, Switching, Gallium arsenide 044
Phase shifts, Signal processing, Switching, Modulation 003
Photodiodes, Integrated circuits, Chemical vapor deposition, Pn junctions 027
Photodiodes, Integrated circuits, Molecular beam epitaxy, Gallium arsenide 007
Polymers, Encapsulation, Automation, Process development 075
Polysilicon, Design, CMOS, Doping, Integrated circuits 075
Power transistors, Gallium arsenide, Flip chips, Microwaves, Fabrication 059
Pressure, Transducers, Noise, Modeling, Scaling 075
Random access memory, Integrated circuits, Bipolar devices 027
Semiconductors, Diffusion, Limiters, Noise 027
Semiconductors, Interfaces, Carrier mobility, Transconductance 044
Semiconductors, Lithography, Fabrication, Channels, Alignment 011
Semiconductors, Logic circuits, Beams, Switching, Silicon 075
Semiconductors, Logic circuits, Gallium arsenide, Transconductance 027
Semiconductors, Logic circuits, Lithography, Fabrication 011
Semiconductors, Logic circuits, Optics, Microwaves 000
Semiconductors, Logic, Silicon, Switching, Simulation 027
Semiconductors, Millimeter waves, Noise, Materials planning and control 012
Semiconductors, Modeling, Fabrication, Optimization, Performance 044
Semiconductors, Noise, Ion implantation, Chemical vapor deposition 044
Semiconductors, Radio frequency, Electric fields, Illumination 008
Semiconductors, Schottky diodes, Illumination, Photodetectors, Switching 027
Semiconductors, Schottky diodes, Logic circuits, Photodetectors, Switching 039
Semiconductors, Substrates, Silicon, Ion implantation 011
Signal processing, Microwave devices, Calibration, Measurement 075
Silicon, Amorphous materials, Channels, Vertical-type 092
Silicon, Power transistors, Research and development 059
Surface properties, Scattering, Carrier mobility, Charge carriers 027
Switching, Amplification, Gallium arsenide, Silicon 027
Switching, Electrooptics, Resistors, Photodevices 012
Thyristors, Current, Stability 043
Travelling waves, Electrode systems, Modeling 059
Tuning, Audio systems, Oscillators 038
Voltage, Frequency, Power, Calibration 012
Voltage, Metal oxide semiconductors, Carrier mobility, Channels 0274
Voltage, Modulation, Doping, Heterostructures 0277
Voltage, Noise, Silicon, Interfaces 0121

File management,
Banking, Automation, Information retrieval, Documentation 0374
Communication networks, Office automation, Speech synthesis, Text editing 0781
Data processing, Management information systems 006
Distributed systems, Communication networks, TECNET 094
Hierarchies, Modeling, Local area networks, Parameter estimation 0457
Image processing, Software development, Information systems, Data bases 0572
Local area networks, Workstations, Reliability, Failure, Dissertation 0539
Minicomputers, Online systems, Computer crime, Micrographics, Access 0060
Programming languages, Computer aided design, Very large scale integration 0602

Films,
Anodes, Radiative transfer, Infrared, Current density, Aluminum 0190
Cobalt, Chromium, Magnetics, Recording systems 0588
Copper, Aluminum, Eddy current, Thickness measurement, Computer aided analysis 0753
Electroplating, Alloys, Acids, Thermal variables control, Optimization 0332
Energy conversion, Photovoltaic effect, Absorption, Resonance 0249
Ferrites, Cubic crystals, Magnetization, Wave propagation 0350
Film growth, Erbium fluoride, Thin films, Capacitors, Electrical conductivity 0885
Film growth, Evaporation, Cadmium sulfide, Heterojunctions, Solar cells 0563
Film growth, Evaporation, Cadmium telluride, Thin films, Solar cells 0666
Film growth, Evaporation, Indium tin oxide, Thin films, Optics, Photodevices 0251
Film growth, Evaporation, Tellurium, Cadmium sulfide, Diodes, Current voltage 0591
Film growth, Germanium nitride, Electrical properties, Fabrication, MISFET 0922
Film growth, Printed circuit boards, Contacts, Organic compounds, Testing 0556
Film growth, Sputtering, Copper sulfide, Solar cells, X-ray diffraction 0565
Film growth, Sputtering, Josephson junctions, Tunnel junctions, Temperature 0420
Film growth, Sputtering, Silicon nitride, Spectroscopy, Diffusion, Dissertation 0760
Hysteresis, Magnetization, Magnetooptics, Recording systems 0585

ms, (continued)
- nterfaces, Indium antimonide, Metal oxide semiconductors 05918
- losephson junctions, Tunnel junctions, Electromagnetics, Coupling 09062
- iunctions, Semiconductors, Fabrication, Solar cells 00780
- Microcomputers, Photography, Cameras, Optics, Digitizing 01333
- Niobium carbonitride, Millimeter waves, Mixers, Detectors, Fabrication 05796
- Optical properties, Spectral analysis, Solar collectors, Solar energy 06665
- Perfluorocarbon, Capacitors, Service life, Reliability 03900
- Phthalocyanine, Electrical conductivity, Adsorption, Nitrogen dioxide, Sensors 03541
- Polythiophene, Electrodes, Energy storage components, Batteries 01793
- Radiography, Quality control, Nondestructive testing, Copper, Steel, Filters 03454
- Resistors, Thermal variables measurement, Transport properties, Modeling 05569
- Sensors, Optics, Metals, Gases, Surface plasmon resonance 03546
- Sensors, Silicon, Structural analysis, Acoustics, Frequency 06848
- Sensors, Thermodynamics, Simulation, Modeling, Materials testing 07463
- Silicon, Metallization, Solar cells, Printing, Process development 07271
- Silicon nitride, Trapping, Kinetics, NMOS, Photoelectric effect 07559
- Silicon, Solar cells, Pin junctions, Recombination 05632
- Solar cells, Conductors, Infrared, Furnaces 05633
- Solar energy, Substrates, Thermal variables measurement, Materials testing 00212
- Superconductors, Spectral analysis, Frequency, Thickness measurement 08427
- Terylene, Filters, X-rays, Ultraviolet, Astronomy 06744
- Titanium dioxide, Silicon dioxide, Dielectrics, Waveguides, Fabrication 05887
- Titanium, Thickness measurement, Silicon, Photoconverters, Reflection 00214
- Transducers, Sensors, Magnetic variables measurement, Flow 07503
- Zinc sulfide, Doping, Manganese, Chemical vapor deposition, Electroluminescence 00816

tering,
- Aircraft, Navigation, Extrapolation, Optimization, Algorithms 04697
- Algorithms, Convergence, Error, Asymptotic behavior, Iteration 07123
- Algorithms, Convergence, Signal processing, Sequences, Wiener Hopf equations 07971
- Algorithms, Least squares estimation, Modeling 04798
- Algorithms, Multivariate analysis, Signal processing, Estimation, Modeling 06383
- Altimeters, Satellites, Remote sensing, Oceanography 00561
- Antennae, Arrays, Electromagnetics, Infrared, Dissertation 01653
- Arithmetic circuits, Signal processing, Pipelining, Time measurement 07648
- Audio systems, Noise, Integrated circuits, Signal processing, Amplifiers 03072
- Capacitors, Metal oxide semiconductors, Communication networks, Noise 05467
- Channels, Seismology, Distortion, Signal processing, Deconvolution 04774
- Color, Detection, Optical communications, Pattern recognition, Identification 07904
- Convergence, Difference equations, Control systems, Optimization, Stability 06382
- Data transmission, Channels, Teletext, Pulse shapes 01423
- Data transmission, Equalizers, Self-orthogonalization 07942
- Error, Signal reception, Pulse amplitude modulation 01594
- Extrapolation, Stochastic processes, Design, Differential equations 09592
- Floating point arithmetic, Throughput, Performance 07116
- Frequency, Domains, Symmetry, Signals 03140
- Gravity waves, Geomagnetism, Mathematical models 04748
- Image processing, Arrays, Circuitry, Stability, Televisions 07288
- Image processing, Biomedical engineering, X-rays, Signal to noise ratio 06994
- Image processing, Coding, Operators, Pixels, Functions 03180
- Image processing, Computed tomography, Time measurement, Reconstruction 00509
- Image processing, Geography, Modeling, Satellite communications, Algorithms 02166
- Image processing, Holography, Source encoding, Color 05774
- Image processing, Interpolation, Frequency, Specifications, Approximations 07125
- Image processing, Noise, Signal processing, Simulation, Dissertation 06311
- Image processing, Pattern recognition, Smoothing 08939
- Image processing, Remote sensing, Feature extraction, Classification 07025
- Image processing, Satellites 08937
- Image processing, Segmentation, Pattern recognition, Surface texture 00871
- Instrumentation, Measurement, Process analysis, Composition measurement 06381
- Integers, Signal processing, Microprocessors, Mathematics, Rings 01593
- Integrated circuits, Chips, Pipelines, Sequences, Approximations 02377
- Integrated circuits, Image processing, Architecture, Pattern recognition 04456
- Least squares estimation, Mapping, Autoregressive analysis, Identification 04746
- Linear systems, Robustness, Game theory 05472
- Minimax, Dynamical systems, Game theory, Problem solving 09591
- Modulation, Signal transmission, Integral equations, Simulation, Broadcasting 07976
- Noise, Communications, Occupational health, Dissertation 04515
- Noise, Image processing, Pattern recognition, Thermographics 07464
- Noise, Signal processing, Speech recognition 02393
- Noise, Signals, Boundary value problems 03145
- Noise, Signals, Robustness 01597
- Noise, Speech recognition 03077
- Nondestructive testing, Paper industry, Signal processing, Delay, Simulation 04750
- Oil wells, Recording systems, Instrumentation, Depth measurement, Performance 03527
- Optical communications, Processors, Matching, Performance 07324
- Parallel processing, Image processing, Algorithms 08944
- Parallel processing, Reliability, Pattern recognition, Image processing 03184
- Parameter estimation, Signal processing, Noise, Modeling 04764
- Phase shift keying, Modulation, Signal processing, Frequency, Noise 07989
- Position control, Tracking, Sensors, Kalman filters 09493
- Probes, Error, Noise, Modeling 09542
- Radio communications, Signal detection, Noise 03189
- Recording systems, Integrated circuits, Signal to noise ratio, Oscillators 02568
- Remote sensing, Computer graphics, Image processing, Pattern recognition 02178
- Remote sensing, Image processing, Quality control, Stability 02251
- Remote sensing, Seismology, Petrochemical industry 03139
- Robustness, Input, Channels, Distortion, Signal processing 09565
- Signal detection, Noise, Sensitivity, Numerical analysis 01559
- Signal detection, Pattern recognition 06384
- Signal processing, Algorithms 09589
- Signal processing, Coding, Pulse code modulation, Estimation, Simulation 07965
- Signal processing, Color, Televisions, Integrated circuits, Coding 02958
- Signal processing, Delay, Transmission lines, Superconductivity, Analog systems 04056
- Signal processing, Iteration, Convergence, Stability, Dissertation 02363
- Signal processing, Linear systems, Parallel processing, Modulation 02362

Filtering, (continued)
- Signal processing, Microelectronics, Throughput 06039
- Signal processing, Microprocessors, Modems 02307
- Signal processing, Pulses, Transmission, Radar 01527
- Signal processing, Random variables, Dynamical systems, Structural analysis 09543
- Signal processing, Random variables, Noise, Estimation, Error 03120
- Signal processing, Sonar, Simulation 09590
- Signal processing, Theorem proving, Frequency, Sampling methods 03135
- Signal to noise ratio, Noise, Amplifiers 00690
- Signal to noise ratio, Televisions, Channels 02950
- Signal transmission, Equalization 03158
- Signals, Feedback, Gain, Optimization 09529
- Signals, Modulation 06394
- Signals, Noise 02387
- Signals, Noise, Algorithms 04838
- Signals, Noise, Error, Kalman filters 06385
- Signals, Radar, Kalman filters 05470
- Signals, Recursive filters 02392
- Signals, Robustness, Dissertation 01596
- Signals, Time measurement, Delay 01562
- Signals, Tracking, Robustness, Simulation 01595
- Smoothing, Embedding, Signals 06336
- Software development, Performance, Optical communications, Delay, Accumulators 07328
- Spectral analysis, Signals, Shannon's theorem 03147
- Speech recognition, Noise, Testing 04695
- Speech recognition, Signal processing, Synthesis, Gain, Matching 04692
- Speech synthesis, Generalized cepstrum 01485
- Stability, Frequency, Processors, Terminals, Instrumentation 03736
- Technology, Microelectronics, Arithmetic circuits 09287
- Teletext, Signal processing, Interference, Attenuation, Computer aided control 01421
- Televisions, Coding, Signal transmission, Quality control, Integrated circuits 02965
- Televisions, Quality control, Failure, Integrated circuits, Signal processing 02947
- Televisions, Receivers, Interference, Broadcasting, Automation 02964
- Text processing, Speech synthesis, Quality control, Performance 03080
- Topology, Metal oxide semiconductors, Circuitry, Amplifiers, Capacitors 05570
- Tracking, Noise, Simulation 07862
- Transformations, Modeling, Synthesis, Parameter estimation, Optimization 01543
- Vision, Image processing, Noise, Inspection, Automation 03185
- Wave propagation, Electromagnetic waves, Image processing, Surface properties 01603

Filters,
- Acoustics, Waves, Radios, Mobile systems, Telephones 01457
- Aircraft, Landing gear, Guidance and control systems, Sensors 03631
- Algorithms, Approximations, Truncation, Polynomials, Dissertation 01904
- Algorithms, Convergence, Graphs, Design, Signal processing 07124
- Algorithms, Convergence, Transformations, Input, Autoregressive analysis 07129
- Algorithms, Design, Transfer functions, Iteration, Recursion 02378
- Algorithms, Frequency, Noise, Convergence, Parameter estimation 08752
- Algorithms, Identification, Control systems, Multivariable systems, Noise 03572
- Algorithms, Parallel processing, Pipelining, Residue Number System 08767
- Algorithms, Recursion, Tracking, Measurement, Space technology 02350
- Algorithms, Signal processing 04754
- Algorithms, Transmission lines, Protection, Differential equations, Modeling 01730
- Algorithms, Tuning, Circuitry, Statistical analysis, Dissertation 05482
- Amplifiers, Bandwidth, Frequency, Distortion, Numerical analysis 00641
- Amplifiers, Bipolar devices, Integrated circuits, Control systems 08755
- Amplifiers, Capacitors, Frequency 00659
- Amplifiers, Capacitors, Frequency, Switching 07191
- Amplifiers, Capacitors, Reliability 02357
- Amplifiers, Design, Performance, Dissertation 08760
- Amplifiers, Frequency, Distortion, Transponders 02435
- Amplifiers, Frequency, Signal processing 08761
- Amplifiers, Performance, Circuitry 03842
- Amplifiers, Sensitivity, Organization and methods, Theorem proving 03784
- Amplitude, Computer aided analysis 07118
- Amplitude, Integrals, Processors, Design, Dissertation 05495
- Approximations, Transfer functions, Signals 03792
- Arrays, Signal processing, Feedback, Channels, Dissertation 03166
- Audiometry, Noise, Masks 01995
- Automation, Design, Minimax, Problem solving, Impulse response 02370
- Band pass filters, Band stop filters, Dielectrics, Waveguides 07485
- Bandwidths, Frequency, Circuitry, Transfer functions 08763
- Bandwidths, Microprocessors 02355
- Bandwidths, Optimization 00647
- Biomedical engineering, Eye movement, Algorithms, Vision 05335
- Capacitance, Pn junctions, Diodes, Switches 02691
- Capacitors, Amplifiers, Recursion, Design, Numerical analysis 05457
- Capacitors, Circuitry, Microelectronics 07248
- Capacitors, Frequency, Time measurement, Switched capacitors 05452
- Capacitors, Oscillators, Communication networks, Transfer functions 06390
- Capacitors, Switching, Design, Sensitivity, Monte Carlo method 07172
- Capacitors, Switching, Frequency, Design, Pulse code modulation 05450
- Capacitors, Switching, Integrated circuits, Metal oxide semiconductors 00728
- Chebyshev polynomials, Approximations, Algorithms, Computer programs 02353
- Circuitry, Design, FIR filters, Prefilter structure 07117
- Circuitry, Digital filters/systems 07126
- Circuitry, Electronic equipment 00633
- Circuitry, Input output, Resonators, Approximations, Coupling 00653
- Circuitry, Networks, Resistors, Inductors, Capacitors 08797
- Circuitry, Piezoelectricity, Transformers 03810
- Circuitry, Signal processing, Time measurement 05462
- Circuitry, Spectral analysis, Density, Polynomials, Signal processing 09532
- Circuitry, Switching, Capacitors, Design, Signal processing 05486
- Circuitry, Testing, Fault detection, Limit cycles 03814
- Circuitry, Testing, Insertion loss 07144
- Circuitry, Transfer functions, Networks, Systems analysis 02396
- Circuitry, Transmission lines, Frequency, Fabrication, Performance 04829

Filters, (continued)
Coatings, Transmittance, Reflectance, Passbands 00868
Coding, Receivers, Signal to noise ratio, Decision making 09584
Coding, Signal processing, Integrated circuits, Televisions, Modulation 02946
Communication networks, Channels, Data structure, Equalizers, Dissertation 06223
Communication networks, Education, Switching, Capacitors, Simulation 02352
Communication networks, Signal processing, Performance, Channels, Noise 01546
Communications, Amplifiers, Signal processing 05454
Composite materials, Far infrared, Solar energy, Polypropylene 03785
Computed tomography, Radiology, Simulation 03663
Computer aided design, Computer graphics 03777
Computer aided design, Simulation 00656
Computer aided design, Simulation, Computer aided design 07134
Computer aided design, Simulation, Topology, Integrated circuits 08739
Computer programs, Programmable calculators, Amplifiers, Biomedical engineering 00640
Control systems, Current, Voltage, Motors, Electrical conductivity 01751
Control theory, Distributed processing, Arithmetic, Structural analysis 02394
Controllers, Performance, Stability 07142
Controllers, Signal processing, Scaling, Roundoff noise 04767
Current voltage, Transconductors, Capacitors 05441
Cylindrical antennae, Weighting, Parameter estimation 04839
Data processing, Storage, Frequency 08756
Data transmission, Transformations, Mapping, Delay, Design 00638
Delay, Convex programming, Groups, Error, Numerical analysis 02395
Design, Analog systems, State of the art, Microelectronics 08766
Design, Branch and bound method, FIR filters 02388
Design, Capacitors, Switching 07145
Design, Channels, Recursion, Performance, Prediction 03186
Design, Circuitry 02400
Design, Digital systems 08765
Design, Error, Modeling, Noise, Signal processing 05320
Design, Feedback, Stability, Convergence, Stochastic processes 07970
Design, Frequency selection 05438
Design, Impulse response, FIR filters 07136
Design, Iterative method, Approximations 07131
Design, Iterative method, Dissertation 00651
Design, Iterative method, IIR/FIR filters 02389
Design, Linear programming, FIR filters 02385
Design, Multipliers, Canonical forms, Pulse code modulation 02372
Design, Polynomials, Routines, Canonical forms, Synthesis 00645
Design, Precision engineering 02382
Design, Precision engineering, Transfer functions 02383
Design, Recursion 02374
Design, Recursion, Convergence, Search strategies, Error 03807
Design, Reflection, Infrared, Optics 00278
Design, Simulation, Communication networks, Topology, Transfer functions 07110
Design, Specifications, Iterative method, Quadrature mirror filters 09588
Design, Structural analysis, Equivalence, Specifications 02369
Design, Symmetry 07135
Design, Transfer functions, Digital recursive filters 08748
Design, Transfer functions, Dissertation, Finite-word-length effects 00652
Design, Transfer functions, FIR filters 02380
Design, Two dimensionality, Polynomials, Optimization, Stability 02368
Detection, Gaussian processes 06391
Dielectric constants, Waveguides, Image processing, Diffraction gratings 03779
Dielectrics, Microwaves, Tuning, Frequency 08087
Dielectrics, Waveguides, Transmission lines 09110
Displays, Fatigue, Eyes, Strain 06087
Distortion, Nonlinearities, Modeling 03841
Distributed systems, Signal processing, Structural analysis, Arithmetic 00636
Electric fields, Mathematical models, Combustion products, Arrays 03783
Electric power transmission, Control systems, Estimation, Security 06683
Electric variables measurement, Televisions, Computer aided control 00301
Energy bands, Fault detection, Microelectronics 04470
Error, Boundary value problems 03795
Estimation, Error, Signal processing, Simulation, Delay 01544
Estimation, Guidance and control systems, Sensors, Simulation, Partitioning 06282
Estimation, Markov processes, Noise, Signal processing, Smoothing 07808
Estimation, Modeling, Recursion, Circuitry, Algebra 03804
Estimation, Tracking, Satellite communications, Error, Orbits 01395
Fabrication, Architecture, FIR filters 05451
Fabrication, Chebyshev approximations, Algorithms 03800
Fabrication, Circuitry 03790
Fabrication, Computer aided design, E-plane filter 03798
Fabrication, Delay, Transfer functions 03801
Fabrication, Fault tolerance, Modeling 05461
Fabrication, Frequency, Topology 05455
Fabrication, Matrices, Transformations 05498
Fabrication, Quantization, Sampling rate alteration 03803
Fabrication, Robustness, Matching, Maximin 05475
Fabrication, Sensitivity, Switched capacitor filters 03789
Fabrication, Transformations, Stability 05463
Fabry Perot filters, Design, Electrooptics, Scanning, Lasers 02552
Fault tolerance, Frequency, Parameter estimation, Systems design 08757
Feedback, Amplifiers, Compensation, Resistors 07187
Feedback, Input, Amplifiers, Embedding, Circuitry 00634
Fiber optics, Acoustics, Sensors, Interferometers, Lasers 07749
Fiber optics, Image processing, Refractive indices, Transmission, Coding 01345
Field effect transistors, Amplifiers, Noise, Cooling 08814
Finite impulse response, Frequency domain 02391
Frequency, Amplifiers, Displacement, Distortion, Structural analysis 05447
Frequency, Armatures, Motors, Performance, Current voltage 08167
Frequency, Design, Attenuation, Bandwidths, Amplifiers 00649
Frequency, Microwaves, Absorption, Waveguides 09120
Frequency, Thinning, Dynamic programming, Algorithms, Numerical analysis 07108
Frequency, Transformations, Structural analysis, Parameter estimation, Graphs 08753

Filters, (continued)
Gain, Bandwidths, Transfer functions 0547
Graphs, Communication networks, Signal processing, Delay, Dissertation 0548
Heat transfer, Mirrors, Solar energy, Solar cells 0393
Image processing, Diffraction, Amplitude, Numerical analysis 0573
Image processing, Integrated circuits, Modeling, Ghost canceller, Televisions 0139
Image processing, Pattern recognition 0566
Image processing, Photogrammetry 0703
Image processing, Signals, Coding, Markov processes 0636
Image processing, Stochastic processes, Noise, Storage, Matrices 0237
Impedance, Switching, Capacitors 0724
Impedance, Transmission lines, Fault detection, Relays, Algorithms 0173
Impulse response, Interpolation 0873
Impulse response, Transfer functions 0547
Inductance, Theorem proving 0711
Infrared, Millimeter waves, Diffraction gratings, Lasers, Couplers 0646
Infrared, Polyethylene, Polarization, Fabrication 0190
Input, Frequency, Integrated circuits, Architecture 0711
Input output, Design, Optimization, Recursion, Structural analysis 0237
Integrated circuits, Capacitors, Performance, Switching, Charge transfer 0241
Integrated circuits, Coding, Prediction, Speech synthesis, Dissertation 0128
Integrated circuits, Design 0065
Integrated circuits, Design, Amplifiers, Structural analysis, Dissertation 0378
Integrated circuits, Fabrication, Modular design 0874
Integrated circuits, Signal converters, Networks 0714
Interference, Signal processing, Frequency 0883
Interpolation, Antennae, Amplitude, Distributions 0166
Interpolation, Parameter estimation 0065
Interpolation, Problem solving 0710
Junctions, Transmission lines, Waveguides, Tuning 0748
Kalman filters, Coatings, Film growth, Signal processing 0789
Lasers, Marine engineering, Communication networks, Optics, Submarines 0546
Lattices, Algorithms, Partitioning, Parallel processing, Architecture 0544
Lattices, Parametrization, Modeling 0796
Lattices, Transfer functions, Algorithms, Parameter estimation 0875
Least squares estimation, Geometry, Algorithms, Problem solving, Lattices 0712
Logic circuits, Time measurement, Architecture 0545
Loops, Feedback, Stability, Switching, Control systems 0040
Low-pass filters, Amplifiers, Switches, Comparators, Voltage 0719
Matrices, Transfer functions, Input output, Error, Dissertation 0543
Maximum likelihood estimation, Modeling, Waves, Stochastic processes 0154
Metal oxide semiconductors, Channels, Computer aided design 0874
Metal oxide semiconductors, Oscillators, Input, Programming, Control systems 0552
Metals, Thickness measurement, Computer aided design, Performance 0379
Microelectronics, Architecture, Arithmetic circuits 09291
Microprocessors, Computer aided control, Automation, Production control 0236
Microprocessors, Construction, Error, Simulation, Weighting 0235
Microprocessors, Multiplication 0238
Microwave devices, Circuitry, Frequency, Bandwidths 0544
Microwaves, Resonators, Coupling 0323
Minimax, Algorithms, Approximations, Convergence, Dissertation 05465
Minimization, Error, Functions, Optimization, Dissertation 03786
Modeling, Canonical forms 05460
Modeling, Missiles, Gravity, Military engineering, Trajectories 00499
Modeling, Transfer functions, Stability 05464
Modems, Parallel processing, Approximations, Microwave devices 03169
Modems, Signal processing, Numerical analysis, Performance, Interference 07990
Modes, Diffraction gratings, Waveguides, Phase shifts 01043
Modulation, Amplitude, Distortion, Performance 06387
Multiplexers, Fiber optics, Fabrication, Design 09366
Multipliers, Adders, FIR subfilters 02401
Multipliers, Signal processing, Convolvers, Design 09289
Multiprocessors, Architecture, Memory, Structural analysis, Dissertation 04745
Networks, Circuitry, Design, Network theory 07163
Networks, Circuitry, Parameter estimation 08783
Networks, Sensitivity, Decomposition, Matrices, Optimization 05444
Noise, Acoustic variables measurement, Missiles, Guidance and control systems 08622
Noise, Communications, Modulation, Modeling 04733
Noise, Gain, Delay, Butterworth filter 03797
Noise, Oscillation, Computer programs, Performance, Dissertation 07130
Noise, Seismology, Wave propagation, Frequency, Dissertation 08663
Noise, Signal to noise ratio 05435
Noise, Statistical analysis, Signal processing, Dissertation 05479
Noise, Transfer functions, Parameter estimation, Frequency, Matrices 08759
Noise, Transfer functions, Spectral analysis, Simulation 00669
Normal lattices, Noise, Transfer functions, Design 05434
Optics, Image processing, Signal processing, Noise 00881
Optimization, Design, Current voltage, Structural analysis, Numerical analysis 03808
Optimization, Least squares estimation, Design, Trees, Minimax 03806
Optimization, Simulation, Communication networks, Impedance, Amplifiers 00648
Oscillation, Sequences, Sampling methods, Numerical analysis 03809
Output, Signal processing, Noise 08742
Partitioning, Communication networks, Matrices, Waves, Numerical analysis 03788
Pattern recognition, Circularly symmetric filters 08945
Pattern recognition, Simulation, Optical character recognition 00654
Performance, Signal processing, Equalization, Receivers 09549
Phase locked loops, Frequency, Tracking, Noise, Simulation 02364
Phase shift keying, Noise, Signal processing, Interference, Feedback 02365
Photometry, Mirrors 08924
Poisson processes, Generators, Noise, Gaussian processes, Frequency 03867
Prediction, Error, Optimization, Minimization 00660
Prisms, Color, Televisions, Displays 04575
Programming, Signal processing, Integrated circuits, Modeling 05449
Programming, Structural analysis, Circuitry, Flow, Data processing 02359
Proof theory, Decomposition 03791
Pulse code modulation, Signal processing, Transfer functions, Time measurement 03195

lters, (continued)
- Pulses, Frequency, Quality control, Structural synthesis 02399
- Quantization, Algorithms, Matrices, Displacement, Signal processing 02367
- Quantization, Signals, Modulation 02358
- Quantizers, Stability, Limit cycles 07120
- Radar, Microwaves, Distance measurement, Clutter 08081
- Radar, Spectral analysis, Atmospheric conditions, Noise 09514
- Radar, Tracking, Stability, Graphs, Parameter estimation 05478
- Radiation, Dosimetry, Ionizing radiation 02777
- Radiology, Image processing, Simulation 05042
- Radiometry, Fiber optics, Modes, Attenuation 01347
- Radios, Mobile systems, Phase shift keying, Frequency, Interference 06252
- Receivers, Modulation, Bandwidths, Noise, Error 02351
- Recursibility, Testing, Linear programming 08736
- Recursion, Delay, Transformations, Transfer functions, Structural analysis 08754
- Recursion, Design, Testing, Stability, Decomposition 08743
- Recursion, Robustness, Lie algebra 05471
- Research and development, Design, Networks, Analog active networks 07127
- Resistance, Capacitance, Networks, Frequency 08764
- Resonators, Excitation 03775
- Resonators, Frequency 01067
- Resonators, Microwave devices, Structural analysis, Frequency, Coupling 03243
- Sampling methods, Charge coupled devices, Tap weights, Error 02852
- Satellite communications, Transmission, Systems design 04780
- Satellites, Position control, Design, Temperature 07859
- Scattering, Estimation, Algorithms, Communication networks, Modeling 08758
- Sensitivity, Boundary value problems 02390
- Sensitivity, Circuitry, Signal processing, Graphs, Modeling 03787
- Signal converters, Capacitance, Amplifiers, Noise, Dissertation 05480
- Signal converters, Service life, Transmission lines 02635
- Signal detection, Noise, Quantization 03122
- Signal detection, Transfer functions 05469
- Signal processing, α-trimmed means 05456
- Signal processing, Algorithms, Lattices, Interpolation 07889
- Signal processing, Amplifiers, Frequency, Volterra series, Distortion 00642
- Signal processing, Circuitry, Noise, Distortion, Numerical analysis 00102
- Signal processing, Codes, Product memories 05446
- Signal processing, Coding, Speech transmission, Data compression 03176
- Signal processing, Convergence 03802
- Signal processing, Detection, Noise, Error, Covariance 03805
- Signal processing, Digital systems, Synchronization, Multiplexing, Circuitry 09550
- Signal processing, Error, Delay, Detection, Frequency 03192
- Signal processing, Frequency, Integrated circuits 05436
- Signal processing, Frequency, Noise 07143
- Signal processing, Impulse response 02379
- Signal processing, Impulse response, Frequency, Statistical analysis 00639
- Signal processing, Input, Structural analysis 07106
- Signal processing, Microprocessors, Telecommunications 04759
- Signal processing, Mirrors, Design, Quadratures 08745
- Signal processing, Modulation, Converters, Simulation, Performance 02366
- Signal processing, Noise 04766
- Signal processing, Noise, Delay, Frequency, Dissertation 06380
- Signal processing, Noise, Hilbert spaces, Least squares estimation, Weighting 05439
- Signal processing, Noise, Kalman filters 04797
- Signal processing, Noise, Measurement, Numerical analysis 07114
- Signal processing, Noise, Simulation 03793
- Signal processing, Reconstruction, Algorithms, Approximations 03137
- Signal processing, Spectral analysis, Maximum likelihood estimation 06330
- Signal processing, Speech transmission, Noise, Interference, Attenuation 03082
- Signal processing, Transformations, Simulation, Prewarping, Automation 03799
- Signal processing, Transmission, Circuitry, Switching, Voltage 00655
- Signal processing, Transmission, Impulse response, Kalman filters 05474
- Signal processing, Velocity, Error, Neurophysiology 02155
- Signal to noise ratio, Acoustics, Scanning electron microscopy, Televisions 03513
- Signal to noise ratio, Channels, Circuitry, Mathematical models 07890
- Signal to noise ratio, Electroencephalograms, Measurement errors 00524
- Signal to noise ratio, Input output, Robustness, Boundary value problems 02371
- Signal to noise ratio, Spread spectrum communications, Waveforms, Quantization 07133
- Signal transmission, Channels, Multiplexing 06399
- Signals, Frequency shift keying, Modulation 06325
- Signals, Image processing, Cutoff frequency, Ξ-filters 02381
- Signals, Modulation, Demodulation, Dissertation 01600
- Signals, Noise, Histogramming, Threshold selection 07910
- Signals, Pulse code modulation, Distortion 00680
- Signals, Quantization, Noise 07132
- Signals, Robustness, Output 08740
- Signals, Waveforms, Pulses, Delay, Ambiguity 08737
- Simulation, Communications, Bandwidths, Noise 07885
- Simulation, Quantization, Error 07111
- Simulation, Random processes, Signal processing, Noise, Modeling 06339
- Smoothing, Antialiasing, Channels, Attenuation 02397
- Spacecraft, Guidance and control systems, Simulation, Sensors, Synchronization 06281
- Spectral analysis, Signal processing, Waveforms, Fourier transforms 08762
- Speech transmission, Signal to noise ratio, Pulse code modulation 09596
- Stability, Algorithms 00646
- Stability, Feedback, Numerical analysis 07109
- Stability, Noise, Transfer functions 03778
- Stability, Transfer functions, Delay 03796
- Stability, Transformations, Convergence, Impulse response, Numerical analysis 00637
- Statistical analysis, Modeling, Error, Convergence, Dissertation 05466
- Steel, Copper, Nondestructive testing, Quality control, Films, Radiography 03454
- Striplines, Substrates, Microwaves 00632
- Structural analysis, Functions, Communication networks, Synthesis, Dissertation 05459
- Structural analysis, Maximum likelihood estimation, Algorithms 07115
- Structural analysis, Polynomials, Stability, Recursion, Transformations 00643
- Structural analysis, Theorem proving, Circuitry 08751

Filters, (continued)
- Superconductors, Striplines, Signal processing, Microwaves 09055
- Surface acoustic waves, Data transmission, Fiber optics 01357
- Surface acoustic waves, Design, Transducers, Modeling 05120
- Surface acoustic waves, Transducers, Modeling, Lithium niobate 09152
- Switched capacitors, Amplifiers 02416
- Switches, Capacitors, Inductance, Voltage, Inverters 07140
- Switching, Capacitance, Metal oxide semiconductors, Communication networks 02354
- Switching, Capacitors, Circuitry, Research and development 08785
- Switching, Capacitors, Design, Theoretical analysis 07139
- Switching, Capacitors, Gain, Amplifiers 02477
- Switching, Capacitors, Simulation, Transformations, Circuitry 08741
- Switching, Controllers, Design, Voltage 07141
- Targets, Detection, Algorithms, Image processing, Numerical analysis 05705
- Televisions, Memory, Signal processing, Interference, Circuitry 02953
- Televisions, Signal transmission, Distortion 06163
- Time measurement, Delay, FIR filters 07137
- Tracking, Aircraft, Air traffic control, Radar, Kalman filters 07861
- Tracking, Modeling, Simulation 08749
- Tracking, Radar, Parameter estimation, Optimization, Numerical analysis 06287
- Tracking, Sensors, Synchronization, Data transmission 05440
- Tracking, Signal processing, Optics, Performance, Algorithms 05721
- Transfer functions, Circuitry 07128
- Transfer functions, Distortion, Estimation, Error, Approximations 00635
- Transfer functions, Oceanography, Wave propagation 07051
- Transfer functions, Synthesis, Network theory 07138
- Transfer functions, Wave-digital filters 05477
- Transformations, Dissertation, Finite multiplier wordlength error 02361
- Transformations, Frequency, Algorithms, Structural analysis, Polynomials 03782
- Transformations, Numerical analysis 05458
- Transformations, Stability, Storage, Recursion 03781
- Transformations, State-space realization, Orthogonality 03776
- Transforms, Chinese remainder theorem, Rings, Recursion, Prime numbers 02376
- Transmission, Jitter, Time measurement, Signals 03168
- Transmission, Signal to noise ratio, Channels, Communications 02398
- Transmission zeros, Amplitude 05442
- Trees, Encoding, Image processing, Smoothing, Noise 07707
- Ultrasonics, Image processing, Computer aided analysis 03665
- Very large scale integration, Circuitry, Technology, Structural analysis 06041
- Vision, Anisotropy, Structural analysis 05337
- Voltage, Control systems, Bridges, Signal converters, Harmonics 07216
- Voltage, Frequency, Generators, Circuitry, Metal oxide semiconductors 07146
- Voltage, Transfer functions, Synthesis, Switched capacitor filters 07112
- Waveguides, Fabrication, Research and development 04311
- Waveguides, Scattering, Electromagnetic waves 04307
- Waves, Scattering 00644
- Weighting, Design, Recursion, Numerical analysis 08746
- X-ray radiation, Computed tomography, Mathematical models, Radiology 03664
- X-rays, Ultraviolet, Terylene, Films, Astronomy 06744

Finance,
- Banking, Electronic funds transfer, Systems analysis, Dissertation 01431
- Electric power generation, Planning, Optimization, Organization and methods 06681
- Electric vehicles, Technology, Research and development, Planning, Testing 05430
- Government agencies, Electronic funds transfer, Automation 02986
- Robots, Marketing, Industry, Resource management, Manufacturing 05191
- Solar energy, Heating systems, Economics, Capital investment 00199
- Videotex, Teletext, Economics, Marketing, Technological forecasting 02914

Financial services,
- Banking, Electronic funds transfer, Economics, Technology 09430
- Banking, Electronic funds transfer, IBM PC, Wells Fargo 04623
- Banking, Personal computers, Videotex, Standards, Home banking 09449
- Electronic funds transfer, Security, Computer crime 03005

Finite difference method,
- Cables, Stress, Voltage, Thermal variables measurement 08273
- Eddy current, Electric fields, Magnetic fields, Linear equations 06761
- Electric variables control, Thermodynamics, Simulation, Finite element method 07461
- Electromagnetics, Boundary value problems, Numerical analysis 06796
- Electrostatics, Problem solving, Finite element method, Software development 06793
- Finite element method, Eddy current, Magnetic fields, Networks, Impedance 06762
- Force, Torque, Software development, Eddy current, Magnetic fields 06750
- Insulators, Thermal variables control, Computer aided analysis 07243
- Magnetic fields, Eddy current, Electric fields, Finite element method 06825
- Magnetic fields, Turbomachinery, Generators, Mathematical models, Voltage 06819
- Magnetic variables control, Conductors, Finite element method, Boundary layers 07225
- Software packages, Computer aided design, Electromagnetics 06679

Finite element method,
- Alternators, Impedance, Magnetic fields, Eddy current, Problem solving 06676
- Automotive engineering, Computer aided design, Numerical control, Economics 03767
- Charge, Magnetic variables control, Electric variables control 06808
- Computer programs, Electric variables measurement 06627
- Computer programs, Electromagnetics, Problem solving, Numerical analysis 06807
- Conduction, Phase shifts, Cavities, Cells, Loading 04826
- Contacts, Displacement, Insulators, Springs 05128
- Contacts, Heat transfer, Stress, Thermodynamics 07232
- Eddy current, Conductors, Integrodifferential equations, Fredholm equations 07224
- Eddy current, Conductors, Vacuum technology, Density, Mathematical models 06764
- Eddy current, Electromagnetics, Distributions, Conductors, Testing 06756
- Eddy current, Electromagnetics, Flow, Numerical analysis, Generators 06549
- Eddy current, Loading, Algorithms, Software development, Structural analysis 06766
- Eddy current, Numerical analysis, Conductors, Integrodifferential equations 06730
- Education, Computer aided instruction, Electrical engineering, Electrostatics 03489
- Electric fields, Machinery, Magnetic fields, Computer aided analysis 06802
- Electric fields, Magnetic fields, Numerical analysis 06822
- Electric variables control, Thermodynamics, Simulation 07461
- Electromagnetic fields, Magnetic variables measurement, Computer graphics 06830
- Electromagnetics, Boundary value problems, Galerkin method, Numerical analysis 06801

Finite element method, (continued)
Electromagnetics, Computer programs, Mesh generation, Minicomputers 06402
Electromagnetics, Conduction, Stability, Modeling, Numerical analysis 07449
Electromagnetics, Current, Rotors, Numerical analysis 06548
Electromagnetics, Induction motors, Current voltage, Rotors, Saturation 06517
Electromagnetics, Metals, Nondestructive testing, Reliability, Transducers 06795
Electromagnetics, Problem solving, Minicomputers, Algorithms, Mesh generation 06805
Electromagnetics, Structural analysis, Problem solving 06803
Electromagnetics, Torque, Numerical analysis, Force, Stiffness 06828
Electromagnetics, Waves, Electric fields, Software development 06797
Electronic equipment, Electromagnetics, Computation, Machinery 00070
Electronic equipment, Machinery, Design, Performance, Surface properties 06525
Electrostatics, Problem solving, Finite difference method, Software development 06793
Energy, Electric fields, Computer aided analysis 06804
Excitation, Rotors, Inductance, Coil winding machines 01680
Extrapolation, Electromagnetics, Algebraic equations, Numerical analysis 06800
Fiber optics, Stress, Polarization, Tensile testing 09380
Fiber optics, Stress, Polarization, Tensile testing 09381
Finite difference method, Eddy current, Magnetic fields, Networks, Impedance 06762
Generators, Fourier analysis, Magnetic fields, Computational analysis 06821
Grounding, Resistance, Computer aided analysis 04903
Inductance, Machinery, Synchronization, Magnetic fields, Differential equations 06508
Induction motors, Failure, Coil winding machines, Electromagnetics 04874
Input output, Metal oxide semiconductors, Channels, Delay, Signal transmission 07583
Insulators, Materials testing, Electric fields, Biology 08293
Machinery, Noise, Signal processing, Modeling, Dissertation 04737
Magnetic fields, Boundary value problems, Numerical analysis 06818
Magnetic fields, Circuitry, Flux, Density, Numerical analysis 07517
Magnetic fields, Circuitry, Loops, Differential equations, Problem solving 06816
Magnetic fields, Circuitry, Plates, Metals, Numerical analysis 06824
Magnetic fields, Computer aided analysis, Mesh generation, Optimization 06823
Magnetic fields, Eddy current, Braking systems, Distributions 07221
Magnetic fields, Eddy current, Electric fields, Finite difference method 06825
Magnetic fields, Numerical analysis, Traveling waves 00321
Magnetic fields, Rotors, Turbines, Generators, Loading 06826
Magnetic variables control, Conductors, Finite difference method 07225
Magnetic variables measurement, Density, Materials testing, Numerical analysis 07516
Mathematical models, Communication networks, Simulation, Motors, Mathematics 01682
Mechanical strength, Image processing, Strain, Creep, Thermodynamics 03427
Microwaves, Waveguides, Electromagnetics, Wave propagation 04314
Modeling, Eddy current, Electric machines, Numerical analysis, Rotation 06765
Modeling, Impedance, Eddy current 07521
Modeling, Nondestructive testing, Materials testing 02665
Modeling, Sensors, Inductance, Position control 07520
Modeling, Stress, Solar collectors 04995
Numerical analysis, Optics, Waveguides, Anisotropy 08023
Phase locked loops, Communications, Channels, Dissertation 01579
Recording systems, Magnetic variables measurement, Computational analysis 07529
Signal processing, Generators, Perturbation, Measurement, Simulation 01709
Simulation, Electric power generation, Turbogenerators 08171
Simulation, Generators, Loading, Synchronization, Numerical analysis 06546
Simulation, Synchronous machines, Generators 08170
Software packages, Computer aided design, Electromagnetics 06679
Spacecraft, Thermal variables control, Cryogenics, Heat pipes 05257
Steel, Magnetic fields, Coil winding machines, Transformers 01086
Transducers, Simulation, Dynamics, Electromagnetics, Modeling 06518
Transformers, Nuclear reactors, Magnetic fields, Problem solving 09163
Transmission lines, Approximations, Current, Density, Monopolar corona equation 01772
Turbines, Generators, Thermodynamics, Electromagnetics, Eddy current 06553
Wave propagation, Acoustics, Waveguides 05108
Wave propagation, Scattering, Waveguides, Numerical analysis 08027

Fires,
Control systems, Fuels, Resource management, Mapping, California 02207

Flaw detection,
Inspection, Nondestructive testing, Ultrasonics 09135
Nondestructive testing, Materials testing, Radiography 08904

Flexible manufacturing systems,
Assembling, Automotive engineering, Turnkey systems, Renault 08529
Assembling, Design, Computer aided control, Robots 00406
Assembling, Mechanical handling, Robots 03591
Assembling, Mechanical handling, Robots, Electronic equipment 01276
Assembling, Production control, Automation, Tape recorders 00387
Automation, Workstations, Mechanical handling, Computer aided control 02041
Automotive engineering, Machine tools, Mechanical handling, Automation 00629
Computer aided manufacturing, Machine tools, Robots, Mechanical handling 05180
Lasers, Automation, Assembling 00386
Lasers, Cutting tools, Automatic control, Computer aided design 04047
Lasers, Machining centers, Cutting tools, Welding, Process development 02597
Lasers, State of the art 05787
Machine tools, Thermal variables control, Lasers 00993
Production control, Gears, Wheels 00395
Production control, Robots, Welding, Injection molding 08532
Production control, Systems analysis 02326
Production control, Technology, Computer aided manufacturing 06939
Robots, Assembling, Design, Vision, Sensors 06919
Robots, Capital investment, Aerospace engineering 08564
Technological forecasting, Lasers, Sheet metalworking, Cutting tools 02603

Flight control systems,
Aerodynamics, Calibration, Energy storage components, Shock waves 00458
Aerodynamics, Signal processing, Space stations, Telemetry 00485
Aircraft, Automation, Autopilot 08583
Aircraft engineering, Fuel efficiency, Energy conservation, Boeing 737-300 06979
Aircraft engineering, Military aircraft, Automatic control 02119
Aircraft engineering, Position control 05252
Aircraft, Lightning 06977
Aircraft, Navigation, Government policies, Research and development 04701

Flight control systems, (continued)
Aircraft, Propulsion, Simulation, Stability, Modeling 052
Aircraft, Safety systems, Standards, Computer aided control 004
Aircraft, Systems design, Flight/fire control systems 004
Architecture, Aircraft engineering 036
Fault detection, Failure, Algorithms, Redundancy, Error 036
Helicopters, Airports, Computer aided control, Displays 004
Microprocessors, Aircraft, Aerospace simulation 004
Military aircraft, Displays, Color, Aircraft engineering 069
Military aircraft, Helicopters, Displays, Computer aided design 020
Military aircraft, Recording systems, Speech recognition 085
Military aircraft, Reliability, Electric variables control 085
Military engineering, Weapons, Missiles, Radar, Spacecraft 036
Missiles, Reliability, Statistical analysis 052
Sensors, Aircraft engineering, Military aircraft, Electron beam technology 069
Simulation, Systems analysis, Military aircraft 020
Spacecraft, Modeling, Simulation, Wind, Measurement 052
Spacecraft, Transducers 091
Systems design, Aircraft engineering 004
Vibration, Ground support systems, Sensors 020

Floppy disks,
Disk drives, Commerce, Forecasting 023
Magnetics, Recording systems 062
Microcomputers, Magnetic storage 023
Production control, Distribution, Tolerances, Reliability, Memory 010
Typesetting, Systems design, Terminals, Electronic equipment 023

Flow,
Acoustics, Boundary layers, Meteorology, Signal transmission, Wind 053
Algorithms, Problem solving, Power plants, Loading, Transformers 066
Algorithms, Robustness, Power plants, Buses, Decomposition 018
Algorithms, Routing, Packet switching, Communication networks, Problem solving 045
Anemometers, Measurement, Frequency, Cylinders 083
Anemometers, Sensors, Thermal conductivity, Heat transfer, Silicon 068
Anemometers, Velocity, Measurement, Lasers, Signal processing 035
Circuitry, Communication networks, Control systems, Traffic, Simulation 045
Computer programs, Simulation, Measurement, Desktop systems 035
Data transmission, Government policies, Developing countries 046
Eddy current, Electromagnetics, Finite element method, Numerical analysis 065
Eddy current, Magnetic fields, Conduction, Vectors, Numerical analysis 067
Electric power distribution, Modeling, Planning, Economics, Algorithms 065
Electric power generation, Loading, Transmission lines, Economics, Scheduling 050
Electric power generation, Modeling, Voltage, Optimization, Algorithms 017
Electric power generation, Probability, Loading, Modeling, Numerical analysis 066
Electric power generation, Stability, Load 082
Electric power generation, Voltage, Stability, Oscillation, Loading 001
Electric power transmission, Loading, Optimization, Security 049
Electronic mail, Information systems, Postal service, Telecommunications 030
Fiber optics, Sensors, Lasers, Measurement, Simulation 043
Heat transfer, Magnetic variables measurement, Boundary layers, Frequency 082
Image processing, Scene analysis, Parameter estimation, Optics, Dynamics 057
Information processing, Telecommunications, Privacy, Protection, Economics 030
Lasers, Carbon dioxide, Pulses, Research and development 057
Linear systems, Signal processing, Graphs, Matrices, Statistical analysis 047
Local area networks, Management, Technology, Data transmission, Economics 046
Local area networks, Topology, Architecture, Protocols, Data communications 087
Magnetic variables control, Channels, Measurement, Electrodes 055
Magnetic variables measurement, Underwater technology, Sensors, Hydrodynamics 034
Metals, Electric variables measurement, Boundary layers 051
Modeling, Computer aided control, Lasers, Kinematics, Numerical analysis 057
Modeling, Transformers, Control systems, Electric power generation, Voltage 091
Pipelines, Computers, Perturbation, Modeling, Dissertation 087
Power supply, Electric power generation, Simulation, Loading, Networks 002
Power systems, Time measurement, Circuit breakers, Computer programs 048
Power systems, Voltage, Mathematical models 067
Programming, Filters, Structural analysis, Circuitry, Data processing 023
Propellants, Spacecraft, Aluminum oxide, Modeling, Rockets 036
Satellite communications, Machine machine interactions, Data transmission 045
Spacecraft, Propulsion, Measurement, Simulation, Modeling 082
Stability, Wave propagation, Vibration, Blades, Aerodynamics 084
Transducers, Sensors, Magnetic variables measurement, Films 075
Turbines, Hydroelectric power generation, Torque, Control systems, Generators 050
Velocity measurement, Flux, Probes, Reliability, Economics 035
Wave propagation, Fiber optics, Coupling, Pulses, Numerical analysis 061
Weighting, Electric power generation, Loading, Buses, Problem solving 001

Flow measurement,
Blood, Signal processing, Spectral analysis, Computer aided analysis 053
Fiber optics, Transducers 075
Lasers, Image processing, Automatic control 090
Medical electronics, Respiratory system, Fluid mechanics, Transducers 070

Flow of gases,
Aircraft engines, Compressible flow, Computer aided analysis 020
Anemometers, Chemical variables measurement, Sensors 003
Anemometers, Coil winding machines, Sensors, Automotive engineering 020
Arc welding, Structural analysis, Hydrogen, Optics, Defect detection 056
Cables, Channels, Turbulence, Concrete, Simulation 088
Combustion, Fluidized beds, Solar collectors, Heating systems 018
Cryogenics, Transducers, Measurement, Density 084
Dielectrics, Frequency, Resonators, Automatic testing 010
Hydrodynamics, Beams, Modeling, Kinematics 082
Lasers, Carbon dioxide, Probes, Measurement, Thermodynamics 057
Lasers, Copper, Pulses, Frequency, Numerical analysis 089
Lasers, Velocimeters, Turbulence, Measurement, Propellers 052
Magnetic variables control, Fluid dynamics, Numerical analysis 042
Piezoelectricity, Surface acoustic waves, Oscillators, Configurations 019
Radiation, Thermodynamics, Turbulence, Electric variables measurement 090
Reliability, Oxygen, Monitoring, Transducers 091

Flow of gases, (continued)
  Rotors, Winding, Calibration, Modeling, Thermal variables measurement ... 08134
  Ultrasonics, Bubbles, Cavitation, Flowmeters, Frequency ... 00363
  Water, Heating systems, Energy conservation, Thermal variables control ... 02624
Flow of liquids,
  Fiber optics, Probes, Microcomputers, Data collection, Nuclear reactors ... 03547
  Heat exchangers, Magnetic variables measurement, Electric variables measurement ... 08463
  Magnetic variables control, Rotating bodies, Stability, Hydrodynamics ... 08465
Flowmeters,
  Acoustics, Ultrasonics, Channels, Instrumentation, Reliability ... 08468
  Cavitation, Bubbles, Acoustic testing, Automatic testing ... 00363
  Combustion, Laser Doppler velocimetry, Refractive indices ... 02609
  Conductors, Leak detection, Transmission lines ... 00125
  Design, Ultrasonics, Economics, Research and development ... 03519
  Electromagnetic fields, Hematology, Sensitivity ... 00520
  Electromagnetics, Calibration, Precision engineering ... 08498
  Electromagnetics, Generators, Research and development ... 03492
  Lasers, Anemometers, Velocity, Hydrodynamics ... 02608
  Magnetic variables measurement, Pipes, Probes, Economics ... 03493
  Pipelines, Turbines, Reliability, Economics, Research and development ... 03539
  Sensors, Calibration, Performance, Cryogenics, Liquids ... 03548
  Thermal variables measurement, Thermostats, Thermistors ... 02620
  Transducers, Piezoelectricity, Pressure ... 01069
  Transducers, Time measurement, Calibration, Pressure ... 02669
Fluid dynamics,
  Dielectric permittivity, Millimeter waves, Wave propagation ... 01097
  Energy conversion, Oceanography, Heat exchangers, Thermal variables control ... 00227
  Flow of gases, Magnetic variables control, Numerical analysis ... 04295
  Lasers, Measurement errors, Simulation, Anemometers ... 02598
  Magnetic variables control, Waves, Numerical analysis, Stability ... 03321
  Prosthetics, Valves, Design, Performance ... 08636
  Prosthetics, Valves, Design, Testing, Biomedical engineering ... 08634
  Valves, Prosthetics, Testing, Technology ... 08635
Fluid mechanics,
  Acoustics, Modeling, Soil science ... 02263
  Boundary layers, Magnetic fields, Meteorology, Statistical analysis ... 02265
  Carbon dioxide, Sensors, Geothermal energy ... 00368
  Energy storage components, Energy storage components, Solar collectors ... 01828
  Fuel efficiency, Solar energy, Pumps ... 01829
  Furnaces, Electromagnetic fields, Turbulent flow ... 00705
  Heat transfer, Phase transitions, Solar collectors, Energy storage components ... 03349
  Helicopters, Nondestructive testing, Holography, Vortices ... 02602
  Incompressible fluids, Laminar flow, Magnetic variables control ... 08282
  Magnetohydrodynamics, Vortices, Loading, Channels ... 00158
  Medical electronics, Respiratory system, Flow measurement, Transducers ... 07013
  Safety, Gases, Thermodynamics, Valves, Numerical analysis ... 00360
  Silicon dioxide, Chemical vapor deposition, Fiber optics, Optics ... 01337
  Ultrasonics, Tissues, Blood, Radiology ... 02161
Fluidics,
  Band gaps, Fuel cells, Capacitance voltage, Field effect, Dissertation ... 01923
  Conductivity, Salts, Oceanography, Salinometers ... 02272
  Dielectrics, Transformers, Materials planning and control ... 00090
  Jets, Sensors, Controllers ... 00401
  Solar collectors, Thermal conductivity, Optimization ... 01823
  Surface properties, Solar collectors, Thermal variables measurement ... 03360
  Transmission lines, Deformation, Conductors ... 01038
Fluidized beds,
  Electric fields, Coupling, Stability, Numerical analysis ... 08446
  Electric fields, Hysteresis, Velocity, Bubbles ... 08843
  Electric fields, Stability ... 08449
  Solar collectors, Heating systems, Combustion, Flow of gases, Phase transitions ... 01830
Fluorescence,
  Biology, Sampling methods, Acoustics, Oceanography, Dissertation ... 00333
  Excitation, Lasers, Thermal variables control ... 00904
  Flow rates, Light scattering, Computer applications, Genetics ... 02160
  Illumination, Ballasts, Photodevices, Product development, Power supply ... 00826
  Infrared, Lasers, Tuning, Potassium bromide, Potassium chloride ... 08986
  Jets, Supersonic flow, Sodium, Signal processing ... 00901
  Laser spectroscopy, Atoms, Concentration, Measurement ... 08993
  Laser spectroscopy, Chemical variables measurement, Ions, Energy transfer ... 05680
  Lasers, Spectrometry, Computer aided control, Electrothermal atomization ... 02588
  Lasers, Thermal variables measurement, Supersonic flow, Turbulence ... 00909
  Optical systems, Design, Optimization, Service life ... 03959
  Polarization, Photoionization ... 02531
  Scintillation, Resolution, Fluorimeters ... 02008
  Sensors, Ions, Concentration, Measurement ... 08889
  Spectral analysis, Krypton, Gas lasers, Pumping, Sodium ... 06740
  Spectral analysis, Pumping, Lasers, Sulfur ... 07360
  Surveys, Bangladesh, Radiology, Occupational exposure ... 02135
  Thin films, Dyes, Contacts, Lubricants ... 07230
  Ultraviolet, Oxygen, Excitation, Argon fluoride, Gas lasers ... 06713
  Wavelengths, Electrodes, Electrolytes, Performance, Solar cells ... 01792
  X-ray radiation, Image processing, Ultrasonics ... 02159
  X-rays, Excitation, Protons, Diffraction, Spectrometers ... 05061
Fluorine,
  Electrooptics, Spectral analysis, Visible range, Electrons ... 07317
Fluoroscopy,
  Ultrasonics, Diseases, Diagnostics, Diaphragmatic paralysis ... 08633
Flux,
  Boundary layers, Turbulence, Thermodynamics, Wind, Measurement ... 05376
  Coil winding machines, Magnets, Superconductivity, Magnetic fields ... 04124
  Detectors, Nuclear reactors, Automatic control, Microcomputers ... 04989
  Electromagnetics, Modeling, Structural analysis, Iteration, Fourier analysis ... 06813
  Hysteresis, Motors, Coil winding machines ... 00076
  Integrated circuits, Logic circuits, Josephson junctions, Superconductivity ... 04072
  Magnetic fields, Circuitry, Density, Finite element method, Numerical analysis ... 07517
Flux, (continued)
  Magnetic fields, Modeling, Signal processing, Induction machines, Damping ... 03264
  Pyrolysis, Cellulose, Visible range, Arcs ... 05003
  Rotors, Cylinders, Saturation, Rotating bodies, Numerical analysis ... 06519
  Sensors, Thermal variables measurement, Calibration ... 03413
  Signal processing, Induction motors, Voltage, Current, Inverters ... 01713
  Simulation, Solar collectors, Radiative transfer ... 03350
  Standards, Thermal insulation, Thermal conductivity ... 03890
  Transformers, Current voltage, Noise, Superconductivity, Tunnel junctions ... 04271
  Velocity measurement, Probes, Reliability, Economics, Flow ... 03538
  Voltage, Frequency, Josephson junctions, Dissertation ... 01020
  Waste treatment, Dosimetry, Radioactive materials handling, Neutrons ... 02487
Fluxons,
  Josephson junctions, Magnetic fields, Microwaves, Emissions ... 04180
  Josephson junctions, Tunnel junctions, Oscillation ... 04234
  Magnetic fields, Josephson junctions, Resonance, Computer simulation ... 04233
Focusing,
  Acoustooptics, Transducers, Design, Signal processing, Dissertation ... 09142
  Control systems, Automatic control, Optical storage ... 01499
  Electromagnetics, Diffraction, Wave propagation, Numerical analysis ... 00882
  Electron beams, Masks, Color, Televisions ... 02483
  Electron guns, Design, Coupling, Permanent magnets ... 06837
  Harmonics, Optics, Diffraction, Numerical analysis, Cutting ... 00867
  Holography, Interferometry, Fiber optics, Optical systems ... 00995
  Image processing, Entropy, Histograms ... 07293
  Lasers, Refractive indices, Optics, Water ... 00844
  Optimization, Image processing, Fiber optics, Interferometry ... 00893
  Scattering, Electromagnetic waves, Polarization, Lasers ... 00014
  Solar collectors, Reflectors, Spectral analysis ... 02522
  Spectral analysis, Resolution, Raman spectroscopy, Dissertation ... 00308
  Televisions, Image processing, Masks ... 03907
  Ultraviolet, Lasers, Electron beams, Lithography, Current density ... 05742
  Vision, Automatic control, POPEYE ... 05714
Foils,
  Printed circuit boards, Integrated circuits, Crack propagation ... 02427
Food processing industry,
  Drying, Microwaves ... 08063
  Electric power generation, Materials handling ... 01841
Forecasting,
  Banking, Electronic funds transfer, Security ... 02281
  Commerce, Floppy disks, Disk drives ... 02309
  Commerce, Output devices, Large scale printers, Economics ... 03732
  Electric power distribution, Loading ... 06574
  Electric power distribution, Loading, Signal processing ... 01860
  Electric power generation, Simulation, Monte Carlo method, SAM ... 04964
  Electric power transmission, Planning, Error, Loading, Failure ... 05016
  Meteorology, Offshore structures, Satellites ... 08689
  Meteorology, Remote sensing, Image processing, Satellites, Brazil ... 08693
  Modeling, Power systems, Loading ... 05023
  Pollution forecasting, Floods, Remote sensing, Rain, Radar ... 03719
  Scatterometers, Remote sensing, Wind stress, Ocean-atmosphere system ... 08678
  Speech transmission, Data transmission, Integrated systems, Data bases ... 07828
  Utilities, Electric power distribution, Loading, Regression analysis ... 06706
Forestry,
  Computer graphics, Resource management ... 03684
  Image processing, Satellite communications, Sensors, Algorithms, Agriculture ... 05356
  Mapping, Remote sensing, Image processing, Software development ... 02241
  Mapping, Simulation, Signal processing, Data collection, Spectral analysis ... 08648
  Resource management, Classification, Satellite communications ... 02248
Formatting,
  Cathode ray tubes, Modeling, Design, Grammars, Dissertation ... 05421
  Communication networks, Packet switching, Plug compatibility ... 06238
  Displays, Plotting, Software packages, Man machine interactions ... 03743
  Facsimile systems, Office automation, Communications, Plug compatibility ... 06229
Fracture,
  Composite materials, Crack propagation, Insulators ... 01726
  Metals, Granular materials, Ultrasonics, Acoustic waves ... 00259
  Tungsten carbide, Ultrasonics, Nondestructive testing, Toughness ... 00331
France,
  Cable television, Fiber optics, State of the art ... 07748
  Carbon dioxide, Gas lasers, Design, Waveguides ... 01056
  Lasers, Research and development, Product development, Government programs ... 00939
  Sewage treatment, Automation, Monitoring, Radar ... 04717
  Telecommunications, Fiber optics, Architecture, Economics ... 07741
  Telecommunications, Standards, Economics, Research and development ... 06206
  Videotex, Technology, Research and development ... 09336
Free electron lasers,
  Amplifiers, Wave propagation, Numerical analysis ... 00924
  Klystrons, Design, Power supply, Wavelengths ... 02585
  Waveguides, Magnetic fields, Particles ... 00929
Frequency,
  Access, Channels, Speech transmission, Communication networks, Televisions ... 06166
  Acoustic emissions, Transducers, Ultrasonics, Calibration, Standards ... 07498
  Acoustic testing, Flow of gases, Automatic testing, Cavitation, Bubbles ... 00363
  Acoustic waves, Audio systems, Distortion, Computer aided analysis ... 08433
  Acoustics, Audiometry, Detection, Signals ... 01996
  Acoustics, Channels, Amplification, Reverberation ... 04769
  Acoustics, Meteorology, Waves, Wind, Signal processing ... 06850
  Acoustics, Resonance, Metal halides, Optical systems ... 04296
  Acoustics, Resonance, Waveguides, Porosity, Cryogenics ... 08473
  Acoustics, Sound propagation, Marine engineering ... 07058
  Aircraft, Helicopters, Vibration, Optimization, Structural analysis ... 05250
  Aircraft, Technology, Microcomputers, Electronic equipment, Interference ... 07090
  Algorithms, Circuitry, Signal processing ... 08791
  Algorithms, Codes, Redundancy, Data transmission ... 07967
  Algorithms, Filters, Noise, Convergence, Parameter estimation ... 08752

Frequency, (continued)
Aluminum gallium arsenide, Lasers, Capacitance voltage, Electrical conductivity 08979
Aluminum gallium arsenide, Semiconductor lasers, Control systems 04025
Amplifiers, Circuitry, Error, Impedance, Design 00686
Amplifiers, Control systems, Current voltage 07186
Amplifiers, Impedance, Inductance, Performance 08424
Amplifiers, Metal oxide semiconductors, CMOS 03846
Amplifiers, Stability, Transistors, Ports 07190
Amplitude, Education, Networks, Instrumentation 07103
Amplitude, Modulation, Radio communications, Testing 09326
Amplitude, Satellites, Space stations 03651
Amplitude, Signals, Modulation 03196
Anemometers, Flow, Measurement, Cylinders 08377
Antennae, Polarization, Sensors, Electromagnetic fields, Poynting vectors 06493
Antennae, Signal processing, Research and development 06495
Arrays, Interference, Signal to noise ratio, Modulation 03251
Atmospheric conditions, Transparency, Electromagnetic waves, Attenuation 04822
Audio systems, Oscillators, Tuning, Field effect transistors 03858
Audio systems, Pressure, Wave propagation, Ultrasonics 09475
Audio systems, Recording systems, Density, Signal processing 03081
Audiometry, Noise, Amplitude, Modulation 03117
Automation, Measurement, Microcomputers, Damping, Oscillation 01919
Backscattering, Diffraction, Electromagnetics, Wave propagation 08095
Bandwidths, Ships, Satellites, Antennae 01658
Biomedical engineering, Electric variables measurement, Moisture, Bones 07015
Bipolar devices, Converters, Current, Voltage, Circuitry 05541
Bipolar transistors, Performance, Molecular beam epitaxy, Heterojunctions 07567
Bridges, Circuitry, Capacitance, Shunt reactor loss 08252
Broadcasting, Radiotelephones, Bandwidths, New Zealand, Signal transmission 01310
Calibration, Couplers 03233
Calibration, Hydrophones, Pendulums, Acoustics, Pressure 05849
Calibration, Measurement, Transducers, Force, Modal analysis 05835
Calibration, Waveguides, Horn antennae 01059
Capacitance, Impedance, Resonance, Electrical variables measurement 05080
Capacitance, MOSFET, Transistors, Design 07613
Capacitance, Resistance, Metal oxide semiconductors, Voltage 03822
Capacitance, Space charge, Solar cells, $CdS-Cu_2S$ 08877
Capacitors, Amplifiers, Bandpass filters 00659
Capacitors, Switching, Filters, Design, Pulse code modulation 05450
Cesium, Standards, Metrology 08428
Channels, Current voltage, Amplitude, Pulses, Detection 05167
Channels, Numerical analysis, Hilbert transforms 09483
Channels, Satellite communications, Modems, Speech transmission 07832
Chemical variables measurement, Acoustics, Relaxation, Sea water 03523
Chirp, Electromagnetics, Wave propagation, Dispersion 08010
Circuitry, Pressure, Transducers, Measurement, Loading 07502
Coding, Converters, Circuitry, Voltage 07219
Coding, Phase shift keying, Modulation 06365
Coding, Signal processing, Phase shift keying, Amplitude, Waveforms 03174
Coding, Signal transmission, Performance, Transforms 07958
Color, Televisions, Cameras, Quality control, Integrated circuits 02951
Communication networks, Circuitry, Computer aided analysis, Modeling 00049
Communication networks, Radios, Paging devices, Microprocessors, Technology 06116
Communication networks, Transmission lines, Information services, Terminals 06358
Control systems, Drives, Motors, Energy conservation 06542
Controllers, Construction, Random variables, Synthesizers 08788
Converters, Circuitry, Capacitors, Thermal variables measurement 07220
Converters, Noise, Millimeter waves, Dissertation 02716
Converters, Signal processing, Synchronization, Coding, Error 05543
Converters, Waveforms, Generators, Signal processing, Interference 08432
Copper, Lasers, Optimization, Excitation, Pressure 07405
Current, Capacitance, Comparators, Calibration 01932
Current voltage, Control systems, Induction motors, Inverters 06513
Cylindrical antennae, Arrays, Gain 01656
Cylindrical antennae, Bandwidths, Impedance, Radios, Dissertation 03253
Data collection, Transmission lines, Electric power distribution 01876
Data transmission, Radio frequency, Automation, Bandwidths 04943
Demodulation, Signals, Time measurement 07911
Dielectric constants, Numerical analysis, Wave propagation, Antennae 09172
Dielectricity, Permittivity, Epoxy resins, Doping, Metals 07533
Dielectricity, Scattering, Diffraction, Modeling 04817
Dielectrics, Electromagnetic waves, Wave propagation, Plasmas 06447
Dielectrics, Filters, Microwaves, Tuning 08087
Dielectrics, Resonators, Numerical analysis 08075
Dielectrics, Resonators, Resonance 01062
Dielectrics, Waveguides, Band pass filters, Band stop filters 07485
Digital systems, Radios, Polarization, Spectral analysis 09324
Dipole antennae, Voltage, Optimization 08097
Disks, Thin films, Radios, Density, Ferrites 05862
Dispersion, Absorption, Semiconductors, Refractive indices 01117
Dividers, Power supply, Televisions, Ferrite toroids 04573
Eddy current, Energy conservation, Economics, Optimization 08370
Elasticity, Vibration, Velocity 00324
Electric fields, Thermodynamics, Simulation, Finite difference method 05813
Electric power distribution, Automation, Telemetry, Radio communications 04535
Electric power generation, Circuitry, Integrals, Theorem proving, Vectors 08770
Electric power generation, Machinery, Wind, Control systems, Transducers 08352
Electric power generation, Reliability, Computation, Probability, Functions 00156
Electric power generation, Transmission lines, Dissertation 08366
Electric power transmission, Polarization, Electromagnetic fields, Waveguides 05828
Electric variables measurement, Data collection, Microprocessors 05141
Electric variables measurement, Generators, Voltage, Switches, Furnaces 09238
Electrical conductivity, Resonators, Dielectric constants 04323
Electromagnetic fields, Scattering, Maxwell equations, Polarization 08004
Electromagnetic waves, Piezoelectricity, Quartz, Vibration 01031
Electromagnetics, Reflection, Design, Tapers 06423

Frequency, (continued)
Electromagnetics, Resonance, Programming languages, Difference equations 064
Electromagnetics, Wave propagation, Turbulence, Reflection 064
Electromagnetics, Waves, Simulation, Boundary value problems 003
Electrons, Stability, Plasmas, Magnetohydrodynamics 066
Emissions, Electromagnetics, Wave propagation, Pulse generation 080
Error, Signal processing, Spectral analysis 031
Estimation, Signal to noise ratio, Stochastic processes, Scattering 047
Excitons, Decay, Lasers, Amplifiers 089
Fabrication, Filters, Topology 054
Failure, Electronic equipment, Loading 052
Fault detection, Matrices, Circuitry, Algorithms, Dissertation 038
Field effect transistors, Voltage, Power, Calibration 012
Filters, Amplifiers, Bandwidth, Distortion, Numerical analysis 006
Filters, Amplifiers, Displacement, Distortion, Structural analysis 054
Filters, Amplifiers, Signal processing 087
Filters, Armatures, Motors, Performance, Current voltage 081
Filters, Bandwidths, Circuitry, Transfer functions 087
Filters, Capacitors, Time measurement, Switched capacitors 054
Filters, Circuitry, Transmission lines, Fabrication, Performance 048
Filters, Data processing, Storage 087
Filters, Design, Attenuation, Bandwidths, Amplifiers 006
Filters, Fault tolerance, Parameter estimation, Systems design 087
Filters, Input, Integrated circuits, Architecture 071
Filters, Microwaves, Absorption, Waveguides 091
Filters, Microwaves, Resonators 032
Filters, Noise, Transfer functions, Parameter estimation, Matrices 087
Filters, Pulses, Quality control, Structural synthesis 023
Filters, Resistance, Capacitance, Networks 087
Filters, Signal processing, Amplifiers, Volterra series, Distortion 006
Filters, Signal processing, Impulse response, Statistical analysis 006
Filters, Signal processing, Noise, Delay, Dissertation 063
Filters, Thinning, Dynamic programming, Algorithms, Numerical analysis 071
Filters, Transformations, Algorithms, Structural analysis, Polynomials 037
Filters, Transformations, Structural analysis, Parameter estimation, Graphs 087
Flow of gases, Dielectrics, Resonators, Automatic testing 010
Four wave mixing, Infrared, Visible range, Storage, BDN dye 074
Fourier transforms, Conversion, Time measurement, Visualization 047
Frequency measurement, Filters, Televisions, Computer aided control 003
Functions, Point processes, Theorem proving, Data processing 063
Gallium arsenide, Field effect transistors, Amplifiers, Power 088
Gallium arsenide, Field effect transistors, Circuitry, Impedance 080
Gallium arsenide, Photoconductors, Switches, Modulation, Electrooptics 089
Gas lasers, Modeling, Modulation, Coupling 090
Gas lasers, Modes, Harmonics, Stability 009
Gas lasers, Stability, Design, HeNe 009
Gas lasers, Waveguides, Pressure, Tuning, Design 090
Gas turbines, Compressors, Blades, Helicopters, Magnetic variables measurement 036
Generators, Vibration, Composite materials, Numerical analysis 066
Gyrotrons, Microwaves, Magnetic fields 048
Gyrotrons, Tuning, Resonance, Masers 064
Gyrotrons, Tuning, Signal processing, Numerical analysis 064
Heat transfer, Flow, Magnetic variables measurement, Boundary layers 082
Helices, Dispersion, Waveguides, Electromagnetic waves 010
Holography, Acoustics, Transducers, Welding, Deformation 035
Hydroelectric power generation, Power plants, Ignition, Pumps 001
Hydroelectric power generation, Scanning, Simulation, Impedance, Measurement 049
Hydrogen, Masers, Noise, Receivers, Stability 089
Image processing, Interpolation, Computed tomography, Functions, Simulation 0699
Image processing, Interpolation, Filtering, Specifications, Approximations 071
Image processing, Optical communications, Computed tomography, Rotation 073
Impedance, Baluns, Conversion 034
Impedance, Capacitance, Mercury, Electrodes 034
Impedance, Dielectric permittivity, Electrical conductivity, Bones 070
Impedance, Parameter estimation, Medical electronics, Respiratory system 086
Impedance, Synchronous machines, Short circuits, Velocity, Systems analysis 016
Inspection, Generators, Tubes, Instrumentation, Computer aided analysis 0329
Instrumentation, Electric variables measurement, Circuitry 084
Instrumentation, Spectrum analyzers, Precision engineering, Portability 0348
Integrated circuits, Signal processing, Input output, Numerical analysis 0553
Integrated optics, Voltage, Modulators, Waveguides, Semiconductor lasers 0775
Interference, Filters, Signal processing 0883
Inverters, Induction motors, Drives, Control systems, Costs 0815
Inverters, Induction motors, Drives, Torque 0815
Inverters, Voltage, Electric power transmission, Current 0659
Jet engines, Shielding, Noise abatement, Attenuation, Dissertation 0046
Lasers, Attenuation, Modulators, Acoustooptics, Heterodyne reception 0896
Lasers, Computer aided control, Microcomputers 0734
Lasers, Copper, Flow of gases, Pulses, Numerical analysis 0897
Lasers, Harmonics, Signal converters, Mixers 0090
Light emitting diodes, Photomultipliers, Pulse generation 0244
Limiters, Receivers, Design, Circuitry, Navigation 0949
Magnetic fields, Integrated circuits, Magnetometers, Charge carriers 0195
Magnetization, Dynamics, Coercive force, Magnetic tapes 0753
Magnetohydrodynamics, Plasmas, Heating, Tokamaks 0829
Mathematical models, Rotors, Generators, Circuitry, Numerical analysis 0651
Maximum likelihood estimation, Signal processing, Noise, Modulation 0790
Measurement, Instrumentation, Calibration, Attenuators 0803
Measurement, Instrumentation, Vibration 0843
Measurement, Methyl fluoride, Gas lasers, Pumping 0740
Measurement, Pressure, Zinc oxide, Silicon, Excitation 0838
Measurements, Fiber optics, Numerical analysis 0777
MESFET, Transistors, Ion implantation, Gallium arsenide 0759
Metal insulator semiconductors, Capacitance voltage, Density, Interface states 0440
Metal oxide semiconductors, Circuitry, Generators, Voltage, Filters 0714
Methyl fluoride, Lasers, Millimeter waves, Oscillators 0902

equency, (continued)
Metrology, Design, Circuitry, Quality control 08426
Metrology, Pressure, Transducers, Depth measurement 09138
Microcomputers, Transducers, Error, Voltage, Measurement 05843
Microphones, Broadcasting, Recording systems, Sound waves 03071
Microprocessors, Computer aided control, Automation, Production control 02360
Microprocessors, Current voltage, Waveforms, Measurement, Error 03463
Microprocessors, Signal processing, Electric power generation, Arc furnaces 04942
Microprocessors, Voltage, Measurement, Instrumentation 05076
Microstrips, Dielectrics, Impedance, Millimeter waves, Numerical analysis 09100
Microwave, Amplifiers, Gallium arsenide, Field effect transistors 07188
Microwave devices, Channels, Modeling, Modems, Performance 09560
Microwave devices, Computer aided control, Distribution, Geometry, Measurement 03238
Microwave devices, Filters, Circuitry, Bandwidths 05448
Microwave devices, Quadrature, Modulators 07983
Microwaves, Attenuation, Wave propagation, Atmospheric conditions 08049
Microwaves, Solar energy, Electron beams, Plasmas, Dissertation 00036
Modulation, Chirp, Dye lasers 07408
Modulation, Demodulation, Signal processing, Detection, Algorithms 07985
Modulation, Noise, Spectral analysis 07979
Modulation, Satellite communications, Broadcasting, Televisions 02976
Modulation, Signal processing, Gaussian processes, Noise, Numerical analysis 07901
Modulation, Signal transmission, Satellites, Televisions 06172
Modulation, Signals, Costas loops 01330
Modulation, Switching, Lasers, Refractive indices, Dissertation 06733
Modulators, Wavelengths, Fiber optics, Gyroscopes, Signal processing 07747
Monitoring, Power systems 03406
MOSFET, Power transistors, Oscillation, Polysilicon 07595
MOSFET, Silicon, Temperature, Inverters 07605
Motors, Controllers, Comparators, Stability 06537
Motors, Controllers, Thermal variables control, Voltage, Modeling 00075
Motors, Signal converters, Logic circuits, Power supply, Thyristors 00072
Multiplexing, Speech recognition, Bandwidths, Orthogonality, Coding 06398
Multipliers, Dividers, Signal processing, Signal converters 07215
Multipliers, Signal processing, Arrays, Phase shifts, Phase !ocked loops 01521
Multipliers, Signals, Circuitry 07176
Networks, Switching, Capacitors, Simulation, Functions 05493
Nickel, Cadmium, Cells, Charge, Impedance 08304
Noise, Josephson junctions, Superconductivity 04207
Noise, Junctions, Transistors 02723
Noise, Phototransistors, Heterojunctions, Spectral analysis, InGaAsP/InP 07257
Noise, Signal processing, Filters 07143
Noise, Signal processing, Interference, Telecommunications 01307
Noise, Transistors, Thermal variables measurement 07575
Numerical analysis, Detectors, Phase shifts, Phase locked loops 00704
Oil, Sampling methods, Instrumentation, Dielectric properties 04357
Optical analysis, Coding, Modulation, Diffraction gratings 00880
Optics, Inspection, Nondestructive testing, Transducers, Surface properties 05841
Optics, Lasers, Waves, Vibration, Measurement 04036
Orthogonality, Multiplexing, Telephones, Data communications, Dissertation 06249
Oscillation, Gallium arsenide, IMPATT diodes, Molecular beam epitaxy 04378
Oscillation, Magnetic fields, Metal oxide semiconductors 02736
Oscillation, Semiconductors, Plasmas, Excitation 03232
Oscillation, Stability, Hydrodynamics, Nonlinear systems 01934
Oscillators, Cryogenics, Noise, Thermal variables measurement 03855
Oscillators, Stability, Feedback, Power supply 01875
Oscillators, Synchronization, Stability, Noise, Phase locking 08818
Ozone, Gas lasers, Pumping, Far infrared, Emissions 07393
Performance, Communications, Antennae, Numerical analysis 08128
Performance, Modulation, Interference, Signal to noise ratio, Radios 07790
Phase locked loops, Filters, Tracking, Noise, Simulation 02364
Phase locked loops, Signal processing, Detectors, Design 07917
Phase shift keying, Filtering, Modulation, Signal processing, Noise 07989
Phase shift keying, Signal processing, Detection, Modulation, Performance 07987
Phase shifts, Circuitry 02418
Phase shifts, Measurement, Noise, Signal processing 09548
Piezoelectricity, Electric fields, Vibration 01029
Piezoelectricity, Transducers, Numerical analysis 02658
Poisson processes, Generators, Noise, Filters, Gaussian processes 03867
Power, Amplifiers, Field effect transistors, Gallium arsenide 08806
Power, Electric fields, Metering, Calibration 06809
Power, Generators, Millimeter waves, Hysteresis 01699
Power systems, Induction motors, Control systems 08162
Power systems, Networks, Stability, Optimization 08264
Power systems, Reliability, Approximations, Probability 00154
Power systems, Stability, Damping 01738
Pulse generation, Automatic control 02446
Pulse generation, Simulation, Impedance, Matching 08829
Pulses, Measurement, Signal processing, Amplitude, Numerical analysis 08429
Pulses, Signal processing, Simulation, Performance, Error 07210
Pumping, Chemical lasers, CHD_2F FIR laser 09031
Pumps, Control systems, Drives, Design, Loading 04875
Quartz, Thermal expansion, Elasticity, Stiffness, Thermoelasticity 08393
Radar, Reflection, Measurement, Waveguides 09515
Radar, Simulation, Systems design, Fast Fourier transforms, Polarization 06295
Radiation, Broadcasting, Buildings, Scattering, Modeling 06407
Radio communications, Navigation, Synchronization, Signal processing 03088
Radio communications, Transmission, Simultaneous transmission 04530
Radio noise, Astrophysics, Amplitude, Electromagnetics 06442
Radio waves, Telescopes, Cables, Switching, Spectral analysis 09321
Radiometers, Microwaves, Electromagnetic waves, Atmospheric conditions 04821
Radios, Signal processing, Probability, Wave propagation, Modulation 01302
Radios, Transmission, Degradation 06111
Random access memory, Transistors, Circuitry, Optimization, Control systems 04452
Receivers, Phase shift keying, Coding, Demodulation, Performance 09581
Recording systems, Audio visual systems, Quality control, Modulation 02961

Frequency, (continued)
Reflection, Dielectrics, Insulators, Fault detection, Nondestructive testing 07537
Reflection, Resonators, Piezoelectricity 01065
Reluctance machines, Testing, Research and development, Velocity, Performance 06511
Resistance, Junctions, Transistors 01171
Resonance, Atmospheric conditions, Electric fields, Wave propagation 00582
Resonance, Converters, Electrostatics 01759
Resonance, Lasers, Modulation, Differential equations 07353
Resonance, Microstrips, Antennae 04853
Resonance, Microwaves, Dielectrics 00037
Resonance, Transmission lines, Mathematical models 06601
Resonance, Transmission lines, Numerical analysis, Numerical analysis 06602
Resonators, Bandwidths, Voltage, Microstrips 05829
Resonators, Electromagnetics, Perturbation 08073
Resonators, Filters 01067
Resonators, Microwave devices, Structural analysis, Coupling, Filters 03243
Resonators, Radiation, Rotating bodies, Dielectrics 03242
Resonators, Vibration, Numerical analysis 09125
Roller bearings, Vibration, Acoustic emissions, Transducers, Velocity 05838
Satellite communications, Antennae, Signal processing 06185
Satellite communications, Backup systems, Radios, Reliability, Stability 09414
Satellite communications, Data transmission, Multiplexing, Time series 06194
Satellite communications, Interference, Management, Radios 01399
Satellite communications, Interference, Signal processing, Microwave devices 00004
Satellite communications, Mobile systems, Antennae, Amplifiers 04604
Satellite communications, Phase shift keying, Signal processing, Detection 07975
Satellite communications, Radar, Radios, Control systems 06460
Satellite communications, Radios, Mobile systems, Cellular arrays, Technology 02897
Satellite communications, Technological forecasting 09418
Satellite communications, Technology, Interference, Performance 03001
Scanners, Transducers, Nondestructive testing, Charge carriers 04342
Scattering, Image processing, Attenuation, Algorithms 05697
Scattering, Magnetics, Dipoles, Antennae 08119
Scattering, Wave propagation, Elasticity, Velocity, Porosity 03528
Semiconductor lasers, Coupling, Stability 08965
Semiconductor lasers, Gallium aluminum arsenide, Modulation, Noise 07384
Semiconductor lasers, Noise, Spectral analysis, Phase matching 07380
Semiconductor lasers, Tuning, Modulation, Power 05738
Sensors, Silicon, Films, Structural analysis, Acoustics 06848
Signal processing, Circuitry, Noise, Covariance, Modeling 07913
Signal processing, Data transmission, Channels, Radio communications 01314
Signal processing, Error, Delay, Detection, Filters 03192
Signal processing, Filters, Integrated circuits 05436
Signal processing, Input output, Delay, Detection 01545
Signal processing, Microprocessors, Sensors, Digital to analog conversion 06735
Signal processing, Pattern recognition, Testing, Modulation, Algorithms 01540
Signal processing, Phase shift keying, Integral equations, Spectral analysis 09537
Signal processing, Random variables, Modulation, Spectral analysis 07973
Signal processing, Standards, Measurement errors 08430
Signal processing, Switching, Converters, Feedback, Dissertation 03403
Signal processing, Synchronization, Amplifiers, Voltage, Integrators 00702
Signal processing, Telemetry, Integrated circuits, Research and development 07692
Signal processing, Theorem proving, Sampling methods, Filtering 03135
Signal processing, Weighing, Fourier transforms, Interpolation, Algorithms 01539
Signal to noise ratio, Channels, Allocation, Optimization 07908
Signal to noise ratio, Multiplexing, Image processing, Detectors 05671
Signal to noise ratio, Simulation 09533
Signal transmission, Image processing, Diodes, Mixers, Current voltage 03257
Signal transmission, Modulation, Feedback, Controllers, Modems 07824
Signal transmission, Parameter estimation 06346
Signals, Filtering, Noise 02387
Silicon, Transistors, Impedance 02730
Simulation, Cyclotrons, Masers 07342
Sounding, Lidar, Signal processing, Atmospheric conditions, Numerical analysis 08051
Spacecraft, Satellite communications, Radios, Propellants, Testing 08607
Spark gaps, Voltage, Current, Service life 06773
Spectrometers, Oscillators, Electric variables control, Tuning 03861
Speech, Ears, Sound waves, Displacement, Modeling 02157
Spread spectrum communications, Radios, Mobile systems, Signals, Tracking 01303
Stability, Aluminum gallium arsenide, Semiconductor lasers 04009
Stability, Aluminum gallium arsenide, Semiconductor lasers 05760
Stability, Channels, Noise, Oscillators 08821
Stability, Injection, Aluminum gallium arsenide, Semiconductor lasers 02593
Stability, Lasers 00902
Stability, Noise, Aluminum gallium arsenide, Semiconductor lasers 02592
Stability, Processors, Terminals, Filtering, Instrumentation 03736
Stability, Radios, Microstrips, Oscillators 04542
Stability, Switching, Temperature, Injection, Lasers 07339
Standards, Superconductivity, Cryogenics, Oscillators 04058
Stress, Quartz, Thermoelasticity, Least squares estimation, Acoustics 08483
Superconductors, Films, Spectral analysis, Thickness measurement 08427
Superconductors, Junctions, Mixers, Current voltage, Noise 04169
Switching, Amplifiers, Capacitors, Filters 07191
Switching, Oscillation, Injection lasers 07369
Switching, Tuning, Channels, Semiconductor lasers 07377
Synchronization, Spread spectrum communications, Mathematical models 03478
Synthesizers, Microwaves, Noise 08083
Telecommunications, Hospitals, Emergency medical services, Firefighter services 06106
Telecommunications, Satellite communications, Synchronization 01393
Telephones, Switching, Receivers, Signal processing, Microcomputers 03052
Televisions, Cameras, Color, Signal processing, Research and development 02971
Tracking, Voltage, Microcomputers, Realtime systems, Measurement 00093
Transducers, Acoustics, Transformers, Measurement, Ultrasonics 09149
Transducers, Power systems, Digital to analog conversion 04328
Transducers, Torque, Machinery, Signal processing, Displays 05837
Transfer functions, Transformations, Regression analysis, Identification 05169

Frequency, (continued)
Transistors, Amplifiers, Noise, Computer aided analysis 03839
Transistors, Amplifiers, Pin diodes, Thin films 08804
Transistors, Magnetic fields, Switches 06783
Transistors, Npn junctions, Heterojunctions, Performance 05920
Transmission lines, Cables, Coupling, Impedance 07478
Transmission lines, Coaxial cables, Spectral analysis 01041
Transmission, Time domain, Research and development 04773
Transportation, Control systems, Signals, Optimization, Modeling 07102
Tuning, Antennae, Illumination, Electric power transmission 06433
Tuning, Excimer lasers, Dye lasers, Ultraviolet 05054
Tuning, Gas lasers, Resonators, Injection 09010
Tuning, Integrated circuits, Channels, Signal transmission, Televisions 02973
Tuning, Mode selectors, Carbon dioxide, Gas lasers 07395
Tuning, Molecules, Lasers, Pumping 08969
Tuning, Superconductors, Wave propagation 04052
Ultrahigh frequency, Microwaves, Data communications, Integrated circuits 01645
Ultrahigh frequency, Microwaves, Striplines, Packaged components 02640
Ultrahigh frequency, Systems design, Microwaves, Data communications 01646
Ultrasonic testing, Hydrophones, Polymers, Signal to noise ratio, Acoustics 03518
Vibration, Doppler shift, Radiation, Electromagnetics 08028
Vibration, Holography, Acoustics, Wave propagation 00328
Vibration, Resonators, Quartz, Pressure, Sensors 08425
Vibration, Transducers, Piezoelectricity 04329
Video systems, Color, Cameras, Integrated circuits 02486
Video systems, Computer aided control, Synchronization, Signal transmission 02938
Voltage, Dissipation, Motors, Current, Control systems 00071
Voltage, Induction motors, Electric variables control 03282
Voltage, Signals, Tracking, Power systems 08137
Voltage, Sinusoids 01933
Voltage, Superconductors, Josephson junctions, Flux 01020
Wave propagation, Computer aided analysis 08431
Wave propagation, Seismology, Noise, Filters, Dissertation 08663
Waveguides, Loading, Resonators, Numerical analysis, Dielectrics 03241
Waveguides, Photons, Echo 09111
Waveguides, Resonators, Algebra, Approximations 09106
Waveguides, Semiconductors, Impedance, Attenuation, Simulation 04312
Waves, Pulses, Modulation, Signal to noise ratio, Loops 03188
Waves, Spectral analysis, Couplers, Microstrips, Numerical analysis 03256
Welding, Inspection, Ultrasonics, Measurement, Performance 06847
YAG lasers, Dye lasers, Pumping, Wavelengths 07412
Frequency control,
Programmable controllers, Radar, Microprocessors 09505
Frequency measurement,
Acoustic variables measurement, Measurement errors, Burst random excitation 03501
Circuitry, Transfer functions, Fault detection 08776
Induction motors, Voltage 08153
Input, Mainframes, Interfaces, ES computer 06893
Precision engineering, Calibration, Measurement Instrumentation, NBS 06781
Signal processing, Algorithms 03475
Signal processing, Noise, Statistical analysis 06329
Signal transmission, Televisions 06169
Frequency shift keying,
Error, Transmission, Channels 07935
Signals, Modulation, Filters 06325
Friction,
Boundary layers, Loading, Insulators, Coatings 02667
Connectors, Integrated circuits, Lubricants, Packaged components 02797
Gunn diodes, Magnetic fields, Electrons 01889
Pressure, Electrodes, Electrolytes, Band gaps 01798
Semiconductors, Electrical resistivity, Contacts, Surface properties, Aluminum 03468
Vibration, Generators, Monitoring methods, Maintenance 01693
Viscosity, Motors, Automotive engineering, Brakes, Numerical analysis 03286
Wear, Magnetic tapes, Temperature, Moisture measurement 04355
Fuel cells,
Batteries, Energy storage components, Coatings, Teflon, Bonding, Modeling 00184
Batteries, Energy storage components, Space technology, Space stations 08318
Calibration, Solar energy 01820
Cathodes, Electrical conductivity, Carbonate, Zinc oxide, Lithium ferrate 08320
Coatings, Photoelectrochemistry, Semiconductors, Electrodes 00182
Conductivity, Discharge, Energy storage components, Graphite 00173
Electric power generation, Coal, Combustion, Heat transfer, Systems analysis 08294
Electric power generation, Cogeneration 08296
Electric power generation, Utilities, Urban planning 01850
Electrochemistry, Bridges, Thermal variables measurement 03340
Electrochemistry, Polarization, Charge, Calcium, Electrolytes 00186
Electrodes, Kinematics, Energy storage components, Electrolytes, Oxidation 01796
Electrodes, Modeling, Electrolytes, Melts 08302
Electrolytes, Propulsion, Materials testing, Research and development 08316
Energy conversion, Electrodes, Performance 06649
Energy storage components, Discharges, Charge 01803
Energy storage components, Electrochemistry, Acids, Lead dioxide, Electrodes 01800
Fluidics, Band gaps, Capacitance voltage, Field effect, Dissertation 01923
Fuel efficiency, Electrodes, Voltage, Dissipation 01806
Impedance, Charge 03322
Photoelectrochemistry, Electrodes, Thermal variables measurement 03942
Power supply, Electrodes, Fabrication, Carrier capacity 00189
Solar energy, Silicon dioxide, Materials planning and control, Diffusion 00203
Surface properties, Coatings, Chemical variables control 06648
Voltage, Electrodes, Vanadium oxide 00180
Fuel efficiency,
Aircraft engineering, Flight control systems, Energy conservation 06979
Aircraft, Trajectories, Numerical analysis 02114
Boron, Zinc, Batteries, Energy storage components 01795
Cement industry, Production control, Cogeneration, Energy conservation 08140
Control systems, Adaptive control, Helicopters, Systems design, Turbines 02072

Fuel efficiency, (continued)
Diesel engines, Turbines, Wind energy, Energy conservation 001
Electric power generation, Superconductivity, Product development 042
Energy conversion, Design, Solar cells, Computer aided analysis 025
Engines, Data collection, Systems design, Computer aided analysis 054
Fuel cells, Electrodes, Voltage, Dissipation 018
Microprocessors, Energy conservation, Balancing, Internal combustion engines 023
Solar collectors, Heat exchangers 018
Solar energy, Pumps, Fluid mechanics 018
Fuel injection,
Electronic equipment, Automotive engineering 006
Fuel systems,
Aircraft, Monitoring, Water detection 021
Fuel technology,
Australia, Energy, Technological forecasting, Linear programming, MARKAL 066
Combustion, Noise levels, Thermal variables control, Hydrogen 051
Cost benefit analysis, Electric power distribution, Utilities 023
Ignition, Transmission lines, Voltage, Discharges 000
Systems design, Electric power generation, Production planning 001
Waste heat, Protection, Industrial waste disposal, Cogeneration 032
Fuels,
Coal, Electric power generation, Turbines, Natural gas 083
Cogeneration, Power plants, Coal, Design, Research and development 066
Electric power generation, Cost benefit analysis, Estimation, Economics 018
Energy conversion, Electric power generation, Resource management 066
Furnaces, Flames, Fiber optics, Lasers, Raman spectroscopy 034
Hydroelectric power generation, Economics, Prediction, Energy conservation 018
Internal combustion engines, Combustion, Modeling, Compression testing 048
Nuclear energy, Electric power generation, Military engineering, Weapons 082
Nuclear reactors, Accidents, Thermodynamics, Prediction, Software 033
Resource management, Mapping, Fires, Control systems, California 022
Thermodynamics, Walls, Structural analysis, Coatings 084
Furnaces,
Automatic control, Integrated circuits, Switching, Semiconductors 027
Computer aided control, Programmable controllers 020
Electric variables measurement, Generators, Voltage, Frequency, Switches 092
Fuels, Flames, Fiber optics, Lasers, Raman spectroscopy 034
Infrared, Heat treatment, Films, Solar cells, Conductors 056
Pipes, Welding, Manufacturing, Inspection, Transducers 050
Fusion,
Dosimetry, Gamma radiation, Least squares estimation, Software 007
Fiber optics, Cables, Fabrication 093
Gas lasers, Carbon dioxide, Krypton fluoride, Performance 090
Lasers, Insulators, Materials testing 074
Lasers, Research and development 040
Magnets, Mirror machines, Magnetic fields, Measurement 068
Magnets, Power systems, Mirror machines, Computer aided control 0827
Mirror machines, Superconductors, Magnets, Solenoids 0663
Mirror machines, Vacuum technology, Superconductors, Magnets 0663
Nuclear energy, Lasers, Research and development, Current 0259
Nuclear reactors, Design, Tritium, Diffusion 0019
Nuclear reactors, Neutrons, Dosimetry, Spectral analysis 0038
Nuclear reactors, Tokamaks, Current, Drives, Transformers 0016
Nuclear reactors, Voltage, Tokamaks, Magnetic fields 0017
Plasmas, Mirror machines, Power systems, Energy conversion 0663
Pulse generation, Energy conversion, Harmonics, Lasers 0259
Research and development, Capacitors, Charge 0821
Superconductors, Magnets, Solenoids, Design, Plasmas 0745
Waveguides, Launching facilities, Plasma heating, Gyrotrons 0645
Fusion reactors,
Cooling systems, Magnets, Tritium 0019
Magnets, Superconductivity, Fabrication 0414
Magnets, Superconductors, Copper, Insulators 0108
Tokamaks, Alfven waves, Antennae, Dissertation 0805
Tokamaks, Superconductivity, Magnets, Gyrotrons, Cryogenics 0418

Gadolinium aluminate,
Temperature, Magnetic fields, Absorption spectra, Franck Condon effect 0032
Gain,
Arrays, Cylindrical antennae, Frequency 0165
Bandwidths, Integrated circuits, Fabrication 0283
Capacitors, Bandwidths 0389
Carbon dioxide, Gas lasers, Excitation, Pressure, Discharges 0739
Cavities, Reflection, Polarization, Coatings, Dye lasers 0091
Coding, Communications, Signal processing 0796
Current, Time measurement, Photomultipliers 0559
Data communications, Spread spectrum communications, Modulation 0318
Doping, Bipolar transistors, Current 0117
Electron beams, Lasers, X-rays, Emissions 0092
Etching, Bipolar transistors, Polysilicon, Emitters 0117
Fabrication, Amplifiers, Power supply 0384
Feedback, Position control, Flight control systems, Aircraft engineering 0525
Filters, Bandwidths, Transfer functions 0547
Filters, Noise, Time measurement, Delay, Butterworth filter 0379
Filters, Normal lattices, Noise, Transfer functions 0543
Filters, Switching, Capacitors, Amplifiers 0247
Gas lasers, Carbon dioxide, Amplifiers, Spectral analysis 0097
Gas lasers, Carbon dioxide, Discharges, Excitation 0735
Gas lasers, Xenon chloride, Ultraviolet 0094
Lasers, Feedback, Optical analysis 0091
Materials testing, Plant and factory layout, Photodevices, Solar energy 0183
Metal insulator semiconductors, Bipolar transistors, Emitters, Heterojunctions 0115
Metal insulator semiconductors, Field effect transistors, Radiation 0925
Metal oxide semiconductors, Amplifiers, Voltage, Impedance 0384

Gain, (continued)
- Noise, Gallium arsenide, Field effect transistors, GaAs preamplifiers 05954
- Performance, Cost benefit analysis, Antennae, Arrays 01661
- Power, Lasers, Amplifiers, Numerical analysis 00938
- Resolution, Noise, Detectors, Scintillation 05159
- Semiconductor lasers, Heterostructure lasers, Modeling, Waveguides 04019
- Signals, Filtering, Feedback, Optimization 09529
- Signals, Lasers, Wigglers 00933
- Signals, Signal flow graph, Decomposition 04743
- Synthesis, Matching, Speech recognition, Signal processing, Filtering 04692
- Transistors, Current, Bandwidths 01168
- Tunnel junctions, Charge carriers, Metal insulator semiconductors, Transistors 01165
- Tunneling, Avalanche photodiodes, Doping, Current voltage 02493

Gallium aluminum arsenide,
- Heterojunctions, Gallium arsenide, Molecular beam epitaxy, Doping, Dissertation 09182
- Heterostructures, Semiconductor lasers, Dielectrics, Waveguides 04013
- Light emitting diodes, Coupling, Fiber optics, Lenses, Refractive indices 07295
- Optics, Microwaves, Semiconductors 09179
- Semiconductor lasers, Frequency, Modulation, Noise 07384
- Semiconductor lasers, Heterojunctions, Harmonics, Performance 01138
- Semiconductor lasers, Light emitting diodes, Degradation, Surface properties 05682
- Semiconductor lasers, Service life, Testing, Degradation 00951
- Semiconductor lasers, Stability, Modulation, Noise, Dissertation 02596

Gallium arsenic phosphide,
- Degradation, Light emitting diodes, Stress 02526
- Light emitting diodes, Spectroscopy, Traps, Dissipation, Structural analysis 02527

Gallium arsenide,
- Aluminum arsenide, Electrical conductivity, Mixed crystals, Scattering 04374
- Aluminum gallium arsenide, HEMT, MODFET, Transistors, Switching 04392
- Amplifiers, Noise, Integrated circuits, Microelectronics 05524
- Annealing, MESFET, Transistors, Channels 05938
- Arrays, Architecture, Metal oxide semiconductors, Circuitry, Design 09285
- Ballistics, Displacement, Simulation, Electrons, Numerical analysis 01109
- Bipolar devices, Integrated circuits, Microwave devices, Silicon, Design 01240
- Charge carriers, Current, IMPATT diodes, Computer aided analysis 04379
- Chromium, Schottky diodes, Evaporation, Crystal growth 02714
- Circuitry, Modeling, Semiconductors, Field effect transistors 01182
- Communication networks, Topology, Microwave devices, Amplifiers, Dissertation 08801
- Computer programs, Random access memory, Standby systems, Current voltage 03750
- Contacts, Metals, Stress, Schottky diodes, Voltage 02715
- Couplers, Optical devices, Fabrication 03951
- Crystal growth, Czochralski method, MESFET, Dislocations, Voltage 09226
- Current voltage, Noise, Switching, Dissertation 04438
- Diodes, Conductance, Carrier density, Noise 09192
- Diodes, Current voltage, Electrons, Irradiation, Temperature 01141
- Diodes, Doping, Manganese, Iron, Current voltage 08422
- Diodes, Millimeter waves, Transport properties, Monte Carlo method 04375
- Doping, Avalanche diodes, Fabrication 09188
- Doping, Chromium, Annealing, Thermal variables measurement 07671
- Doping, IMPATT diodes, Oscillators, Noise 04373
- Doping, Selenium, Epitaxial growth, Field effect transistors 04432
- Doping, Silicon, Carrier mobility, Electrons, Concentration 02720
- Doping, Surface acoustic waves, Dissertation 02686
- Electrons, Impact testing, Ionization, Pn junctions 00267
- Electrooptics, Switches, Lasers, Semiconductors 02587
- Electrooptics, Switches, Voltage, Cameras 03970
- Electrooptics, Transmitters, Semiconductor lasers, Multiplexers 07292
- Emissions, Tuning, Far infrared 09201
- Epitaxial growth, Light emitting diodes, Fabrication 02528
- Epitaxial growth, Microwaves, Transistors, Integrated circuits 04494
- Fabrication, Circuitry, Optoelectronics 09220
- Fabrication, Molecular beam epitaxy, Transistors, Dissertation 05934
- Fabrication, Storage, Random access memory 04459
- Field effect transistors, Amplifiers, Computer aided design 03853
- Field effect transistors, Amplifiers, Computer aided design 08807
- Field effect transistors, Amplifiers, Frequency, Power 08815
- Field effect transistors, Amplifiers, Microwaves, Fabrication, Design 08802
- Field effect transistors, Amplifiers, Phase shifts, Design 08813
- Field effect transistors, Amplifiers, Power, Signal processing 08810
- Field effect transistors, Amplifiers, Satellite communications 03003
- Field effect transistors, Bipolar junction transistors, Amplifiers, Design 07188
- Field effect transistors, Breakdown, Voltage, Microwaves 09237
- Field effect transistors, Circuitry, Frequency, Impedance, Transconductance 08071
- Field effect transistors, Computer aided design, Microwaves, Circuitry 09546
- Field effect transistors, Current, Simulation, Electron beams, Radiation 01221
- Field effect transistors, Current voltage, Channels 01207
- Field effect transistors, Density, Logic circuits 07589
- Field effect transistors, Doping, Piezoelectricity, Surface acoustic waves 08475
- Field effect transistors, Electroplating, Mechanical strength 04407
- Field effect transistors, Gain, Noise, GaAs preamplifiers 05954
- Field effect transistors, HEMT, Drain, Noise 01212
- Field effect transistors, Integrated circuits, Fabrication 09225
- Field effect transistors, Logic circuits, Energy loss, Dissertation 01210
- Field effect transistors, Logic circuits, Signal processing 04493
- Field effect transistors, Logic, Frequency dividers, Fabrication 05501
- Field effect transistors, Microwaves, Oscillators, Noise 01217
- Field effect transistors, Microwaves, X-rays, Flux 03456
- Field effect transistors, Mixers, Thin films, Fabrication 04427
- Field effect transistors, Oscillators, Dielectrics, Resonators 02652
- Field effect transistors, Oscillators, Dielectrics, Resonators 07493
- Field effect transistors, Power, Amplifiers, Frequency 08806
- Field effect transistors, Scattering, Noise, Microwaves, Amplifiers 09254
- Field effect transistors, Schottky diodes, Logic circuits, Fabrication 02769
- Field effect transistors, Switching, Amplification 02745
- Generators, Error detection, Transmission lines, Fiber optics 06002
- Heterojunctions, Aluminum gallium arsenide, Differential resistance 05075

Gallium arsenide, (continued)
- Heterojunctions, Aluminum gallium arsenide, Doping, Field effect transistors 05972
- Heterojunctions, Gallium aluminum arsenide, Molecular beam epitaxy, Doping 09182
- Heterojunctions, Oscillators, Bipolar transistors, Numerical analysis 05532
- Heterostructure lasers, Emissions, Pumping, Relaxation 09025
- Heterostructures, Electrons, Carrier mobility, Dissertation 01160
- IMPATT diodes, Doping, Optimization 05909
- IMPATT diodes, Molecular beam epitaxy, Millimeter waves, Oscillation 04378
- IMPATT diodes, Oscillators, Fabrication, Packaged components 09186
- IMPATT, Diodes, Simulation 02700
- Infrared, Diodes, Transmitters, Modulation, Electrooptics 08919
- Integrated circuits, Aircraft engineering, State of the art 02113
- Integrated circuits, Energy bands, Materials planning and control 02834
- Integrated circuits, Fabrication, Crystal growth 02719
- Integrated circuits, Field effect transistors, Junctions 04434
- Integrated circuits, Microwaves, Technological forecasting 01642
- Integrated circuits, Optoelectronics, Connectors, Fabrication 08922
- Integrated circuits, Simulation, Schottky barriers, Diodes, Modeling 01145
- Integrated circuits, Technological forecasting, Government policies, Marketing 04365
- Ion implantation, Annealing, Carrier density, Hall effect, Integrated circuits 09294
- Ion implantation, Microwaves, MESFET, Integrated circuits 04831
- Iron, Diffusion, Crystal defects, Pressure 08505
- JFET, Pn junctions, Doping, Zinc, Arsenic 05976
- Lasers, Diodes, Optical communications, Reliability 09331
- Light emitting diodes, Gamma radiation, Tuning, Photoemissions 05678
- Light emitting diodes, Protons, Irradiation, Degradation 08901
- Lithium niobate, Photoemissions, Image processing, Semiconductors 00836
- Logic circuits, Large scale integration, Field effect transistors, Simulation 04508
- Logic circuits, Multipliers, Field effect transistors, Fabrication 04473
- Logic circuits, Signals, Coupling, Distortion 09256
- Memory, Correlators, Surface acoustic waves, Schottky diodes, Varactors 05122
- MESFET, Amplifiers, Computer aided design 08805
- MESFET, Channels, Drift velocity, Transconductance, Transducers 05973
- MESFET, Current voltage, Scattering, Integrated circuits 09227
- MESFET, Doping, Channels, Performance 09235
- MESFET, Doping, Microwaves, Noise, Performance 05984
- MESFET, Fabrication, Gates, Molecular beam epitaxy, Etching 09249
- MESFET, Fabrication, Ion implantation, Boron, Silicon 05967
- MESFET, Fabrication, Ion implantation, Channels 04430
- MESFET, Fabrication, Ion implantation, Silicon, Transconductance 04436
- MESFET, Fabrication, Transistors, Transconductance 07603
- MESFET, Fabrication, Voltage, Scattering 07600
- MESFET, Field effect transistors, Transport properties, Computer aided analysis 05981
- MESFET, Ion implantation, Transconductance, Carrier mobility 09253
- MESFET, Logic circuits, Design, Optimization 09248
- MESFET, Microwaves, Amplifiers, Stability 08811
- MESFET, Molecular beam epitaxy, Microwaves, Dissertation 09181
- MESFET, Passivation, Silicon nitride, Silicon monoxide, Amplifiers 07601
- MESFET, Transistors, Integrated circuits 05957
- MESFET, Transistors, Interfaces, Fabrication, Microwaves 05983
- MESFET, Transistors, Ion implantation, Frequency, Performance 07599
- MESFET, Transistors, Microwaves, Amplification 05964
- MESFET, Transistors, Noise, Diffusion 07607
- Metal insulator semiconductors, Solar cells, Current voltage 07286
- Metal oxide semiconductors, Communications, Integrated circuits 05908
- Microwave devices, Amplifiers, Communication networks, Computer aided design 03843
- Microwaves, Field effect transistors, Satellite communications 04425
- Microwaves, MESFET, Modeling 08070
- Mixers, Diodes, Liquid phase epitaxy, Planar processes 07547
- Molecular beam epitaxy, Integrated circuits, Photodiodes 00769
- Ohmic contacts, Fabrication, Electrical resistivity, AuGe/Ni 06019
- Ohmic contacts, Fabrication, Optimization, Alloys 09302
- Ohmic contacts, Gold, Germanium, Ageing 00298
- Optics, Lasers, Carbon dioxide, Thermodynamics, Density 05772
- Optics, Microwaves, Semiconductors 09179
- Optoelectronics, Integrated circuits, Connectors 08908
- Phase shift keying, Logic circuits, Fabrication, Switching 04420
- Photoconductors, Electrooptics, Switching 03920
- Photoconductors, Switches, Frequency, Electrooptics, Modulation 08911
- Photoconverters, Spectral analysis, Temperature 00213
- Pn junctions, Solar cells, Fabrication, Diffusion 03945
- Pn junctions, Solar cells, Photovoltaics, Diffusion, Recombination 03946
- Pn junctions, Transistors, Masks, Space charge 01161
- Power transistors, Amplifiers, Ageing, Reliability 08803
- Power transistors, Field effect transistors, Flip chips, Microwaves 05933
- Random access memory, Logic circuits, Length measurement, Bipolar devices 04454
- Random access memory, Signal processing, Radiation, Technology, Design 06016
- Schottky barriers, Defects, Charge carriers, Band structure 09194
- Schottky barriers, Metal insulator semiconductors, Charge density, Annealing 02713
- Schottky diodes, Barrier heights, Contacts, Space charge, Oscillators 09176
- Schottky diodes, Fabrication, Photodiodes, Planar processes 07261
- Schottky effect, Contacts, Amorphous materials, Si-Ge-B 04399
- Semiconductor lasers, Crystal growth, Performance 00965
- Semiconductor lasers, Light emitting diodes, Degradation, Surface properties 05682
- Semiconductors, Field effect transistors, Aerospace engineering, Satellites 01245
- Semiconductors, Logic circuits, Field effect transistors 09223
- Semiconductors, Pn junctions, Breakdown, Voltage, Doping, Carrier concentration 04371
- Signal processing, Integrated circuits, Architecture, Time measurement 09260
- Signal processing, Simulation, Oscillators, Numerical analysis 00693
- Single crystals, Protons, Irradiation, Solar cells, Photovoltaic effect 03944
- Solar cells, Ohmic contacts, Contact resistance, Tunneling 05646
- Solar cells, Performance, Design, Optimization 05642
- Solar cells, Performance, Irradiation, Space technology, AlGaAs-GaAs 05644
- Solar cells, Short circuits, Protons, Irradiation 05619
- Solar cells, Space technology, Nondestructive testing 07279
- Superlattices, Avalanche diodes, Photodiodes, Fabrication 08868

Gallium arsenide, (continued)
Surface acoustic waves, Reflection, Signal processing 01968
Surface properties, Photoconductors, Detectors, Fiber optics, Communications 03921
Transconductance, Field effect transistors, Semiconductors, Logic circuits 02771
Transistors, Doping, Numerical analysis, Surface properties 01177
Transistors, Modeling, Switching, Structural analysis, Performance 07566
Transistors, Simulation, Performance, Prediction, Numerical analysis 05923
Transistors, Structural analysis, Electrons, Scattering, Optics 04395
Gallium indium arsenide,
Chemical vapor deposition, Solar cells, Semiconductors, Junctions, Dissertation 02701
Heterojunctions, Signal converters, Band gaps, Semiconductors, IMPATT diodes 01129
MESFET, Transistors, Illumination, Voltage 05986
Metal insulator semiconductors, Metal oxide semiconductors, Insulators 01133
Gallium phosphide,
Doping, Surface acoustic waves, Dissertation 02686
Light emitting diodes, Capacitance, Relaxation, Pn junctions, GaP:Zn:O 07302
Light emitting diodes, Degradation, Dislocations, Pn junctions, Space charge 05677
Light emitting diodes, Visible range, Electroluminescence, Degradation 03961
Pn junctions, Liquid phase epitaxy, Light emitting diodes, Visible range 00820
Semiconductors, Diodes, Fabrication, Electroluminescence 01119
Gallium selenide,
Crystal growth, Electrooptics, X-rays, Diffraction, Crystal structure 02542
Solid solutions, Germanium selenide, Photoconductivity 06884
Gallium sulfide,
Crystal growth, Electrooptics, X-rays, Diffraction, Crystal structure 02542
Gallium telluride,
Crystal growth, Electrooptics, X-rays, Diffraction, Crystal structure 02542
Game playing,
Consumer electronics, Testing, Covariance, Statistical analysis, Dissertation 05420
Gamma radiation,
Biomedical engineering, Image processing, Quality control 05295
Data collection, Portability, Spectrometers, Microprocessors 05064
Detectors, Calibration, Germanium 06746
Detectors, Photomultipliers, Amplitude, Resolution 05156
Dose response effects, Radiation, Dosimetry, Calibration 06745
Gallium arsenide, Light emitting diodes, Photoemissions, Tuning 05678
Irradiation, Gallium arsenide, Single crystals, Solar cells 03944
Light scattering, Measurement, Numerical analysis, Dissertation 01913
Measurement, Radioactive materials handling, Refuse disposal 04987
Metal oxide semiconductors, Capacitors, Voltage, Trapping 05579
Microwaves, Atmospheric conditions, Remote sensing, Meteorology 00578
Monitoring, Detectors, Portability 05164
Nuclear reactors, Dosimetry, Least squares estimation 00745
Polyvinylidene fluoride, Switching, Current 01914
Probes, Design, Nuclear reactors, Power density 06661
Radiation dosimetry, Plastics 03909
Resonance, Detectors, Spectral analysis, Electrons 06747
Resonance, Magnetic fields, Spectral analysis 06788
Spectral analysis, Velocity, Vibration, Signal processing 06789
Spectrometry, Discrete ordinate analysis, Benchmarking 00381
Spectroscopy, Computer aided analysis, Minicomputers 05063
Thermoluminescence, Radiation dosimetry, Nuclear power plants 00738
Garnet,
Ferrites, Magnetooptics, Recording systems, Magnetization, Hysteresis 05852
Integrated circuits, Switching, Liquid crystals, Magnetooptics, Photography 02554
Gas chromatography,
Atmospheric conditions, Pollutant detection, Calibration 08492
Gas dynamics,
Electromagnetic waves, Acoustic waves, Aerodynamics, Oscillation 00341
Gas lasers,
Absorption, Pumping, Photons, Carbon monoxide 04032
Argon, Dye lasers, Mode locking, Pumping 07414
Argon fluoride, Excitation, Oxygen, Ultraviolet, Fluorescence 06713
Argon, Pumping, Electron beams, Oscillation, Wave propagation 00970
Carbon dioxide, Amplifiers, Electrons, Spectral analysis 00926
Carbon dioxide, Amplifiers, Gain, Spectral analysis 00974
Carbon dioxide, Detection, Warm carrier devices, Electron beam lithography 09009
Carbon dioxide, Discharges, Excitation, Gain 07359
Carbon dioxide, Excitation, Acetophenone, Molecules, Luminescence 08506
Carbon dioxide, Excitation, Microwaves, Pumping 09012
Carbon dioxide, Excitation, Pressure, Discharges, Gain 07396
Carbon dioxide, Far infrared, Pumping, Numerical analysis 07355
Carbon dioxide, Injection, Electric variables control, Mathematical models 07391
Carbon dioxide, Ionization, Additives, Power supply 00969
Carbon dioxide, Lidar, Aerosols, Spectral analysis 09516
Carbon dioxide, Mode selectors, Frequency, Tuning 07395
Carbon dioxide, Optimization, Corona discharges, Ionization 07402
Carbon dioxide, Optimization, Ultraviolet, Ionization 00975
Carbon dioxide, Oscillators, Mode locking, Pulse generation 07400
Carbon dioxide, Pulse generation, Oscillators, Amplifiers 00982
Carbon dioxide, Resonators, Oscillation, Modes, Refractive indices 07399
Carbon dioxide, Thermal variables measurement, Depth measurement, Damage 01000
Carbon dioxide, Waveguides, Design, France 01056
Carbon dioxide, Waveguides, Design, Pumping 05773
Carbon dioxide, Waveguides, Excitation, Radio frequency 07392
Carbon monoxide, Pumping, Pulse generation, Electron beams, Excitation 07394
Cavities, Electron density, Discharges, Carbon dioxide 00977
Circuitry, Discharges, Design, Optimization, Relays 08988
Dentistry, Biomedical engineering, Research and development, Therapeutics 09043
Design, Frequency, Stability, HeNe 00976
Design, Pressure, Waveguides, Tuning 09011
Detectors, Oscillators, Transmitters, Signal processing 00972
Discharges, Pumping, Electron beams, Control systems 08976
Electrodes, Optics, Radiation, Amplification 09015
Far infrared, Pumping, CD_3OH 00980
Fusion, Performance, Carbon dioxide, Krypton fluoride 09013

Gas lasers, (continued)
Harmonics, Modes, Frequency, Stability 0092
Infrared, Optics, Surface properties, Materials testing 0902
Isotopes, Separators 0739
Krypton, Pumping, Fluorescence, Spectral analysis, Sodium 0674
Methyl fluoride, Design, Pumping, Far infrared, Resonance 0739
Methyl fluoride, Pumping, Frequency, Measurement 0740
Modeling, Modulation, Frequency, Coupling 0900
Modes, Spectral analysis, Oscillation 0096
Nitrous oxide, Excitation, Additives, Optimization 0740
Nozzles, Pulse generation, Amplification, Mixers 0403
Optical storage, Disks, Records management 0149
Ozone, Pumping, Frequency, Far infrared, Emissions 0739
Plasmas, X-rays, Emissions, Thermal variables measurement 0744
Polarization, Oscillation 0901
Pulse generation, Optics, Waveguides, Signal processing 0582
Pumping, Aerodynamics, Refractive indices 0092
Pumping, Electron beams, Charge, Dissertation 0899
Pumping, Far infrared, Lasers, Spectroscopy 0901
Pumping, Far infrared, Vinyl chloride 0577
Pumping, Microwaves, Acoustooptics, Mode locking 0892
Pumping, Photochemistry, Ultraviolet radiation 0098
Pumping, Raman scattering, Resonators 0576
Radiation, Refractive indices, Wave propagation, Numerical analysis 0901
Resonators, Injection, Tuning, Frequency 0901
Resonators, Magnetic fields, Numerical analysis 0735
Scattering, Plasmas, Wave propagation, Radio frequency, Electromagnetic waves 0097
Signal processing, Focusing, Plasmas, Aluminum, Ion collectors 0905
Signal processing, Ion collectors 0791
Simulation, Pumping, Pulse generation 0895
Transmission lines, Surface properties, Spark gaps 0264
Waveguides, Fiber optics, Acoustooptics, Spectroscopy, Dissertation 0085
Waveguides, Pressure, Tuning, Frequency, Design 0902
X-rays, Ultraviolet, Ionization, Electron density 0902
Xenon chloride, Ultraviolet, Discharges, Gain, Voltage 0094
Gas turbines,
Compressors, Blades, Helicopters, Magnetic variables measurement, Frequency 0362
Robots, Grinding, Inspection, Measurement, Tolerance 0524
Gases,
Absorption, Measurement, Sensors, Fiber optics 0932
Chromatography, Oil refining, Identification, Reliability, Transformers 0585
Discharges, Transducers, Dosimetry, Avalanche 0915
Electric variables control, Metals, Oxidation, Conductivity, Sensors 0750
Electrodes, Discharges, Gases, Pressure, Electrostatics, Stability 0907
Electron conductivity, Monte Carlo method, Nuclear physics 0189
Insulators, Breakdown, Voltage 0175
Ionization, Current, Measurement, Least squares estimation 0907
Lasers, Computer applications, Optical analysis, Dissertation 0578
Lasers, Research and development, Industry, Laboratories, Combustion 0578
Lasers, Research and development, Industry, Quality control, Performance 0576
Molecules, Adsorption, Semiconductors, Transport properties 0355
Molecules, Fourier transforms, Spectroscopy, Resolution 0843
Photodissociation, Lasers, Pumping, Solar energy 0898
Pressure, Sensors, Resonators, Frequency 0842
Safety, Thermodynamics, Fluid mechanics, Valves, Numerical analysis 0036
Sensors, Density, Crystals, Vibration 0354
Sensors, Electrical conductivity, Temperature, Tin dioxide 0354
Sensors, Metal oxide semiconductors 0921
Sensors, Metal oxide semiconductors, Electrical conductivity 0841
Sensors, MOSFET, Transistors, Performance 0921
Sensors, Optics, Metals, Films, Surface plasmon resonance 0354
Sensors, Oxides, Thermal variables measurement, Chemical variables measurement 0837
Sensors, Phthalocyanine, Films, Electrical conductivity, Nitrogen dioxide 0354
Sensors, Semiconductors, Temperature, Moisture measurement 0354
Sensors, Surface properties, Platinum, Palladium, Service life 0355
Sensors, Tin dioxide, Sintering, Annealing 08494
Spectrometry, Mathematical models, Contamination, Adsorption 05134
Sulfur fluoride, Breakdown, Voltage, Insulators 03294
Gauges,
Automatic testing, Pattern recognition, Calibration, Hough transforms 04335
Coatings, Thickness measurement, Photodetectors, Infrared, Visible range 05668
Computer numerical control, Machining centers, Cutting tools 02053
Crack propagation, Aircraft, Fatigue, Mathematical modeling, Dissertation 00461
Design, Calibration, Acoustics, Velocity, Transducers 05112
Electronic equipment, Instrumentation, Quality control, Statistical analysis 01068
Hydraulic control equipment, Automatic control, Pressure, Rolling mills 01080
Inspection, Nondestructive testing, Numerical control, Metrology 02035
Measurement, Automatic control, Feedback 00243
Measurement, Strain, Transducers, Structural analysis, Mechanical strength 09157
Monitoring, Dredgers, Project engineering 00552
Nuclear energy, Radiation, Thickness measurement, Instrumentation 03563
Pressure, Piezoelectricity, Economics, Design 04299
Pressure, Transducers, Stability, Vibration, Magnetic variables measurement 08391
Safety systems, Antennae, Ships, Structural analysis, Sonar 04728
Strain, Signal processing, Salts, Transducers 01075
Transducers, Electrodes, Metrology 09151
Transducers, Strain, Thermodynamics 05836
Gears,
Strain, Holography, Bending, Nondestructive testing 00257
Generators,
Acoustics, Entropy, Magnetohydrodynamics, Waves, Combustion 04968
Ceramics, Current voltage, Blades, Machinery, Electric power generation 04888
Circuit breakers, Design, Voltage, Current 08173
Circuitry, Motors 03274
Connectors, Coil winding machines, Symmetry 00088
Current, Resonance, Spectral analysis, Arcs 08830

nerators, (continued)
urrent voltage, Circuitry, Modeling, Induction machines 01681
conomics, Power plants, Resource management, Performance 04950
ddy current, Electric power generation, Nondestructive testing, Tubes 08412
ddy current, Electromagnetics, Flow, Finite element method, Numerical analysis 06549
lectric power generation, Buses, Classification, Online systems 04945
lectric power generation, Diesel engines, Wind turbines, Performance 04893
lectric power generation, Stability, Load, Flow 08247
lectric power generation, Wind energy, Turbines, Performance 08358
lectric variables measurement, Voltage, Frequency, Switches, Furnaces 09238
lectrodes, Catalysts, Electrochemistry, Combustion, $Me^IMe_2^{II}S_4$ 05139
Electromagnetics, Flowmeters, Research and development 03492
Electron beams, Diodes, Accelerators, Impedance 06899
Energy conservation, Energy resources, Power plants 00232
Fault tolerance, Reliability, Circuitry, Testing, Computer programs 05500
Finite difference method, Magnetic fields, Turbomachinery, Mathematical models 06819
Finite element method, Simulation, Loading, Synchronization, Numerical analysis 06546
Fourier analysis, Finite element method, Magnetic fields 06821
Frequency, Metal oxide semiconductors, Circuitry, Voltage, Filters 07146
Gallium arsenide, Error detection, Transmission lines, Fiber optics 06002
Harmonics, Power systems, Thyristors, Switching 08174
Hydroelectric power generation, Design, Maintenance, Performance 06550
Hydroelectric power generation, Fiber optics, Sensors, Air gaps 01703
Hydroelectric power generation, Magnetics, Turbines, Rotors, Design 08165
Hydroelectric power generation, Stators, Rotors, Contacts 01712
Hydroelectric power generation, Thermal variables control, Stability 00082
nduction generators, Excitation, Capacitors, Performance, Circuitry 08177
nduction motors, Compressors, Electric variables control 03289
nduction motors, Rotors, Modeling, Magnetic variables measurement 04871
nspection, Tubes, Instrumentation, Computer aided analysis, Frequency 03291
Magnetic equipment, Magnetic variables control, Flux, Compressible flow 08460
Magnetic fields, Distributions, Software development, Nonlinear equations 06812
Magnetic fields, Rotors, Turbines, Loading, Finite element method 06826
Magnetohydrodynamics, Boundary layers, Electric variables measurement, Modeling 04969
Magnetohydrodynamics, Channels, Modeling, Electrodynamics 06624
Magnetohydrodynamics, Electric variables control 06625
Magnetohydrodynamics, Electrical conductivity, Voltage, Temperature 08288
Magnetohydrodynamics, Power plants, Modeling 08283
Mathematical models, Rotors, Frequency, Circuitry, Numerical analysis 06510
MHD generators, Electrodes, Flow, Electric variables measurement 04970
Microwaves, Superconductors, Temperature, Magnetic fields, Dissertation 07442
Millimeter waves, Power, Frequency, Hysteresis 01699
Millimeter waves, Power, Wave propagation, Computer aided analysis 08828
Neutrons, Lasers, Magnesium 08325
Noise, Sequences, Synchronization, Error correcting codes, Logic 04736
Photomultipliers, Light emitting diodes, Frequency 02448
Pipelines, Oil, Electric power generation, Pumps, Batteries 04941
Poisson processes, Noise, Filters, Gaussian processes, Frequency 03867
Power plants, Control systems, Turbines, Current voltage, Simulation 05017
Power plants, Electric power generation, Performance 06557
Power plants, Maintenance, Reliability, Service life, Rotors 01700
Power plants, Transformers, Electromagnetics, Computer aided analysis, Current 06547
Pulse generation, Modulation, Signal processing 07212
Random variables, Sequences, Statistical analysis, Read only memory 08789
Reliability, Maintenance, Process control 06556
Service life, Hydroelectric power generation, Project engineering 00084
Signal processing, Perturbation, Measurement, Finite element method, Simulation 01709
Signal processing, Random processes. Noise, Circuitry, Memory 00696
Simulation, Magnetohydrodynamics, Generators, Transient flow 06628
Simulation, Wind turbines, Electric power generation, Control systems 06551
Spacecraft, Propulsion, Engines, Solar energy, Research and development 08608
Speech synthesis, Signal processing, Approximations, Acoustics, Amplitude 04688
Stiffness, Hydroelectric power generation, Repair, Oscillation, Shafts 01701
Superconductivity, Electric power generation, Fault tolerance, Stability 04277
Superconductivity, Magnetic fields, Synchronous motors 04292
Superconductors, Performance, Circuitry, Design 08342
Superconductors, Rotors, Winding, Strain, Thermal variables measurement 08364
Superconductors, Winding, Design, Testing 08343
Switching, Transmission lines, Control systems 06587
Synchronization, Relays, Grounding, Protection 08262
Synchronization, Ruby lasers, Plasmas 07213
Synchronous machines, Simulation, Finite element method 08170
Technetium, Radioisotopes, Nuclear medicine, Molybdenum 05289
Televisions, Electromagnetics, Wind turbines, Signal transmission, Interference 06165
Thyristors, Switching, Modulators, Inductance 07211
Turbines, Cooling systems, Voltage, Testing 08175
Turbines, Design, Power supply, Magnetic fields, Rotation 08141
Turbines, Fault tolerance, Power systems, Testing, Stability 08225
Turbines, Hydroelectric power generation, Torque, Flow, Control systems 05020
Turbines, Thermodynamics, Electromagnetics, Eddy current, Finite element method 06553
Vibration, Frequency, Composite materials, Numerical analysis 06677
Vibration, Friction, Monitoring methods, Maintenance 01693
Voltage, Charge, Switching, Circuitry 06774
Voltage, Circuitry, Lightning, Wave propagation 08139
Voltage, Inverters, Control systems, Electric power distribution 08172
Voltage, Measurement 06771
Voltage, Recovery systems, Circuit breakers, Fault detection, Transformers 01716
Waveforms, Counters 05536
Waveforms, Signal processing, Interference, Frequency, Converters 08432
Wind turbines, Reliability, Modeling, Electric power generation, Energy 04891
Winding, Motors, Fault detection 08176
netics,
iology, Birefringence, Ultraviolet radiation, Dissertation 00280
low rates, Light scattering, Computer applications, Fluorescence 02160
mage processing, Pattern recognition, Artificial intelligence 03984
Geodesy,
Cartography, Mapping, Cameras, Coordinate systems, Astronomy 02194
Minerals and ores, Polarization, Electrical conductivity 03219
Nondestructive testing, Electric variables measurement, Electrical resistivity 02167
Remote sensing, Landsat, Atmosphere, Meteorology, Environmental monitoring 00542
Remote sensing, Radiometers, Thermal variables measurement, Mapping 03699
Geography,
Aerial photography, Color, Remote sensing, Animal husbandry 02234
Data collection, Topography, Mapping, Computer graphics, Photogrammetry 02204
Floods, Mapping, Satellite communications, Computer graphics 02211
Image processing, Filtering, Modeling, Satellite communications, Algorithms 02166
Image processing, Radar, Pattern recognition, Mapping 07027
Information systems, Mapping, Raster displays, Computer graphics 02237
Information systems, Raster displays, Data structure, Mapping 02216
Information systems, Remote sensing, Resource management 02212
Mapping, Remote sensing, Structural analysis, Bands, Statistical analysis 03693
Mapping, Uncertainty, Design, Probability, Modeling 02229
Remote sensing, Atmospheric conditions, Spectral analysis, Numerical analysis 02203
Remote sensing, Information systems, Resource management, Alaska, Lakes 03689
Remote sensing, Mapping, Education, United States 02184
Remote sensing, Satellites, Mapping, Image processing, Resolution 07035
Remote sensing, Technology transfer, Satellite communications, Photography 02197
Satellite communications, Clustering, Remote sensing, Classification, LANDSAT 1 00541
Geology,
Cartography, Mapping, Data bases, Raster displays, Data collection 02195
Crack propagation, Plasticity, Soil science, Loading, Modeling 03694
Data collection, Remote sensing, Imaging, Spectral analysis, Dissertation 05348
Drainage, Landsat, Hydrology, Remote sensing 00545
Electric power generation, Thermodynamics, Simulation, Economics 06686
Image processing, Computer aided analysis, Resource management 02201
Image processing, Radar, Quality control, Satellite communications, Mapping 07029
Image processing, Remote sensing 08652
Image processing, Remote sensing, Mapping, Photography, Identification 05357
Mapping, Data bases, Image processing, Simulation, Displays 00533
Mapping, Data structure, Information processing, Feature analysis 02256
Mapping, Image processing, Energy resources, Mineralogy 08662
Mapping, Image processing, Photography, Color, Simulation 02252
Mapping, Image processing, Spectral analysis, Data processing, Thermodynamics 07038
Pattern recognition, Syntax, Classification, Signal processing, Dissertation 03702
Radar, Image processing, Remote sensing, Mapping, Structural analysis 07020
Radar, Mapping, Image processing, Optics, Interactive systems 07028
Remote sensing, Data collection, Iron, Mining 02223
Remote sensing, Radar 09504
Remote sensing, Soil science, Mapping, LANDSAT 07034
Remote sensing, Thermal variables measurement, Surface properties, Simulation 02179
Thickness measurement, Elasticity, Flow, Physical properties, Modeling 08493
Geomagnetism,
Electromagnetic waves, Turbulent flow, Plasmas 03229
Gravity waves, Filtering, Mathematical models 04748
Ionosphere, Electrons, Collisions, Wave propagation, Numerical analysis 08664
Magnetic fields, Boundary layers, Meteorology, Monitoring measurements 02264
Seismology, Signal processing, Velocity 03700
Solar energy, Electromagnetic waves, Current 03703
Superconductors, Remote sensing, Gradiometers 04151
Geophysics,
Data collection, Autoregressive analysis, Modeling, Dissertation 02165
Data processing, Time series, Seismology, Microprocessors, Economics 00558
Fiber optics, Sensors, Design 07746
Image processing, Remote sensing, Data bases, Petrochemical industry 00531
Modeling, Remote sensing, Statistical analysis 02176
Remote sensing, Pattern recognition, Sea surface temperature 00532
Seismology, Noise levels, Statistical analysis, Dissertation 02262
Simulation, Atmospheric conditions, Plasmas, Modeling, Research and development 00577
Soil science, Electric fields, Remote sensing, Image processing 03696
Wave propagation, Soil science, Acoustics, Oceanography 00562
Geosynchronous orbit,
Space technology, Modular design, Propulsion, Launching facilities 00483
Geothermal energy,
Electric power generation, Economics, Technology 03376
Power plants, Economics, Performance 06699
Sensors, Carbon dioxide, Fluid mechanics 00368
Germanium,
Gamma radiation, Detectors, Calibration 06746
Infrared, Thermal variables measurement, Bolometers, Circuitry 01901
Irradiation, Neutrons, Doping, Heat treatment, Bolometers 01894
Lenses, Surface properties, Image processing, Veiling glare, Optics 00878
Magnetoresistance, Semiconductors, Scattering, Acoustics 01112
Ohmic contacts, Gallium arsenide, Ageing 00298
Oscillators, Hysteresis, Electric fields, Plasmas, Stability 00320
Photoconductors, Doping, Detectors, Far infrared, Lasers 00765
Photodiodes, Optical communications, Design, Fabrication, Testing 07258
Radiation, Detectors, Masks, Fabrication 06892
Schottky diodes, Silicon, Current voltage, Capacitance voltage 02712
Silicon, Pn junctions, Capacitance, Thermometers 00252
Surface properties, Electronic structure 06739
Thermal variables measurement, Thermometers, Calibration 00247
Germanium nitride,
Film growth, Electrical properties, Fabrication, MISFET, Dissertation 09228
Germanium selenide,
Solid solutions, Gallium selenide, Photoconductivity 06884
Germany,
Communication networks, Videotex, Computer graphics, Economics 06129
Lasers, Production, Marketing, Manufacturing, Economics 05733
Telecommunications, Fiber optics, Technological forecasting 01366
Glass,
Ceramics, Surface acoustic waves, Excitation, Transducers 05117

Glass, (continued)
- Crack propagation, Transformers, Stress, Temperature 07252
- Cryostats, Infrared, Detectors, Thermal variables measurement 01905
- Doping, Rare earths, Optical properties, Ultraviolet 07291
- Fabrication, Cladding, Fiber optics, Communications 04568
- Fiber optics, Drawing, Phosphates 04550
- Integrated circuits, Packaged components, Seals, Alpha radiation 02783
- Lasers, Research and development, Neodymium, Tuning 00942
- Millimeter waves, Reflection, Spectral analysis, Interferometers 08951
- Refractive indices, Data communications, Fabrication, Fiber optics 04569
- Steel, Ultrasonics, Wave propagation, Nondestructive testing 06852
- Thin films, Waveguides, Refractive indices, Light scattering 01051
- Ultrasonics, Electromagnetic waves, Wave propagation, Amorphous materials 03222
- Waveguides, Optical properties, Oxides 04319

Glass lasers,
- Neodymium, Phosphates, Pulse generation, Mode locking 09022
- Radiation, Tuning, Remote sensing, Atmospheric conditions 09032

Glow discharge,
- Electric variables measurement, Thermal variables measurement, Impedance 02621
- Electrons, Thermal variables measurement, Diffusion, Voltage 01917

Gold,
- Alloys, Beryllium, Silicon, Ion sources, Fabrication 03429
- Alloys, Contacts, Friction, Wear 07229
- Contacts, Polyacetylene, Current voltage, Capacitance voltage 05147
- Contacts, Printed circuit boards, Film growth, Organic compounds 05560
- Electroplating, Palladium, Contacts, Electrical resistivity, Wear 03885
- Ohmic contacts, Gallium arsenide, Ageing 00298
- Photolithography, Electroplating, Etching, Microelectronics 00833
- Plating, Connectors, Wear, Vibration 07233
- Plating, Contacts, Palladium, Connectors, Coatings 03886
- Semiconductors, Integrated circuits, Transistors, Failure, Corrosion 03824
- Tin, Contacts, Fretting, Corrosion 07240

Government agencies,
- Alaska, Satellite communications, Teleconferencing, Networks, Education 06174
- Data processing, Security, Telecommunications, Encryption, Channels 03181
- Federal government, United States, Energy, Research and development 03385
- Finance, Electronic funds transfer, Automation, Communication networks 02986
- Local area networks, Research and development, Pentagon 00498
- Satellite communications, Electromagnetics, Technology, Economics 06187
- Satellite communications, Scanning, Remote sensing, Inspection, Economics 02257
- State government, Data transmission, Facsimile systems, Illinois 07816

Government aid,
- Military engineering, Missiles, Technology, Economics, Research and development 08621
- Robots, Artificial intelligence, Industry, Research and development, Economics 03597

Government policies,
- Communication networks, Data communications, Developing nations 07810
- Communication networks, Economics, Australia 04519
- Communication networks, Standards, Performance, ARPANET 01419
- Data transmission, Flow, Developing countries, Resource management, Economics 04625
- Economics, Business forecasting, Lasers, Marketing 00916
- Fiber optics, Manufacturing, Standards, Marketing 06150
- Gallium arsenide, Integrated circuits, Technological forecasting 04365
- Information processing, Telecommunications, Economics 01282
- Robots, Research and development, Technological forecasting, Japan 08570
- Technological forecasting, Aerospace engineering, Space technology, Satellites 03634
- Telecommunications, Planning, Modeling, Developing countries, Dissertation 06096
- Telecommunications, Political science, Technological forecasting 01295
- Telecommunications, Standards, Organization and methods 03035
- Telephones, Communication networks, Japan, Technology 02877
- United States, Telecommunications 01287

Government programs,
- Calibration, Measurement Instrumentation, Time measurement 06781
- Military, Navigation, Technology, Economics, Position control 03089
- Product development, Technological forecasting, France, Lasers 00939
- Project engineering, Systems design, Missiles 00492
- Research and development, Space stations, Italy 08594

Government regulations,
- Broadcasting, Satellite communications, Televisions, Control 07797
- Communication networks, Marketing, Satellite communications, Channels 07796
- Contamination, Pollution control, PCB compounds, Transformers 04912
- Data processing, Transborder data flow, Security 02888
- Displays, Safety, Legislation, Occupational health 08931
- Education, Broadcasting, Radios, Dissertation 02349
- Gamma radiation, Thermoluminescence, Radiation dosimetry, Nuclear power plants 00738
- Legislation, Telecommunications, Electronic mail, United Kingdom 03028
- Noise, Aircraft engines 02079
- Nuclear energy, Environmental protection 04985
- Nuclear power plants, Accidents, United States, Environmental protection 04982
- Nuclear power plants, Technology, Environmental protection 04983
- Radioisotopes, Measurement, Instrumentation, Ionizing radiation 00761
- Safety systems, Altitude, Economics, Aircraft engineering 06946
- Satellite communications, Broadcasting, Televisions, Channels 06188
- Satellite communications, Broadcasting, Televisions, Technology 07798
- Satellite communications, Position control 07807
- Satellites, Broadcasting, Business forecasting, Technology 01408
- Satellites, Remote sensing 07031
- Standards, Navigation, Telecommunications, Safety systems, Marine engineering 04698
- Telecommunications, Organization and methods, United States, AT&T 07675
- Telecommunications, Technology, Economics, Research and development 01292
- Telecommunications, Technology transfer, Economics, Research and development 09431
- Telecommunications, Transborder data flow, IBM, AT&T 07674
- United States, Telecommunications, Technological forecasting, AT&T divestiture 06097

Government standards,
- Telecommunications, Networks, Management, Research and development 06176

Gradiometers,
- Gravity waves, Superconductivity, Numerical analysis 04055

Gradiometers, (continued)
- Niobium, Thin films, Superconductivity, Tunnel junctions 01
- Remote sensing, Superconductors, Geomagnetism 04
- Thin films, Integrated circuits, Signal processing, Superconductivity 04

Granular materials,
- Erosion, Combustion products, Electrostatics, Precipitators 01
- Lasers, Anemometers, Statistical analysis, Computer aided analysis 01
- Numerical analysis, Acoustics, Wave propagation, Ducts 00
- Signal processing, Modulation, Time measurement, Ultrasonics, Paper industry 00

Graphite,
- Bromine, Electrodes, Fuel cells, Electrochemistry 03
- Electrochemistry, Charge carriers, Capacitance 03
- Electrodes, Batteries, Conductivity, Impedance 00
- Electrodes, Batteries, Discharges, Electrochemistry 03
- Fuel cells, Conductivity, Discharge, Energy storage components 00
- Lead, Hydrofluoric acid, Accumulators, Design 04
- Magnetoresistance, Magnetic fields, Current 01

Gravity,
- Modeling, Missiles, Filters, Military engineering, Trajectories 00

Gravity waves,
- Filtering, Geomagnetism, Mathematical models 04
- Superconductivity, Gradiometers, Numerical analysis 04

Greece,
- Mapping, Photogrammetry, Satellite communications, Image processing 03

Grids,
- Circuitry, Resistors 07

Ground support systems,
- Launching facilities, Performance, Rocket engines, Propulsion 02
- Space stations, Technology, Economics, Research and development 06
- Spacecraft, Research and development, Economics, Mariner Mark II 03
- Vibration, Flight control systems, Sensors 02

Grounding,
- Communications, Antennae, Design, Site selection, Extremely low frequency 08
- Conductors, Lightning, Current, Transmission lines, Electrodes 01
- Conductors, Power plants, Fault detection, Relays 01
- Current voltage, Conductance, Electric power apparatus, Networks 00
- Earth electrodes, Grids, Electrical resistance, Computer aided analysis 06
- Electric power generation, Insulators, Electrical resistivity, Voltage 03
- Electric power transmission, Impedance, Standards 01
- Electrodes, Impedance, Current, Injection 08
- Generators, Synchronization, Relays, Protection 08
- Insulators, Wire, Lightning, Voltage 06
- Resistance, Computer aided analysis, Standards 04
- Resistance, Impedance, Current, Measurement errors 00
- Telecommunications, Fiber optics, Transmission lines 00
- Transmission lines, Mathematical models 04
- Transmission lines, Resistivity, Measurement, Computer aided analysis 08
- Transmission lines, Risk assessment, Computer aided analysis 01
- Voltage, Current, Numerical analysis, Computer aided analysis 08

Guidance and control systems,
- Actuators, Sensors, Position control 05
- Aerodynamics, Spacecraft, Performance, Simulation 05
- Aerospace engineering, Software development, Microcomputers, Receivers 06
- Aerospace test facilities, Spacecraft, Performance 02
- Aerospace test facilities, Spacecraft, Space technology, Missiles 02
- Air traffic control, Radios, Tracking, Information processing 00
- Aircraft, Displays, Technology, Research and development, Simulation 05
- Aircraft engineering, Automation, Lasernav 06
- Aircraft engineering, Displays, Technology 02
- Aircraft engineering, Fuel efficiency, Energy conservation, Boeing 737-300 06
- Aircraft engineering, Reliability, Standards, Electronic equipment 08
- Aircraft engineering, Software development, Microprocessors, Displays, Testing 06
- Aircraft engineering, Testing, Trajectory, Propulsion, Boundary layers 05
- Aircraft engineering, Turbines, Electronic equipment, Technology 02
- Aircraft, Landing gear, Sensors, Filters, Microwave devices 03
- Aircraft, Maximum likelihood estimation, Failure, Simulation 02
- Aircraft, Microelectronics, Interactive systems, Systems design 021
- Aircraft, Microwave devices, Performance, Design, Signal transmission 06
- Aircraft, Prediction, Identification, Dynamics, Automation 00
- Aircraft, Production, Testing 08
- Aircraft, Reliability, Testing, Architecture 02
- Aircraft, Stability, Energy, Displacement, Numerical analysis 05
- Aircraft, Stability, Optimization, Quality control, Dissertation 06
- Aircraft, Wind, Turbulence, Noise, Dissertation 02
- Aircraft, Wings, Structural analysis, Elasticity, Performance 05
- Automatic control, Spacecraft, Stability 02
- Automotive engineering, Microcomputers, Liquid crystals, Displays 025
- Computer programs, Minicomputers, Failure, Detection, Fault tolerance 062
- Delay, Switching, Logic circuits, Autopilots, Spacecraft 020
- Estimation, Sensors, Filters, Simulation, Partitioning 062
- Geometry, Aerospace industry, Mapping, Data processing, Error detection 005
- Image processing, Missiles, Infrared, Electrooptics 002
- Landing gear, Vortices, Aerospace simulation, Displays 004
- Marine engineering, Automatic control, Microprocessors 094
- Marine engineering, Ships, Optimal control 052
- Microcomputers, Automotive engineering, Fluorescence, Displays 023
- Microcomputers, Automotive engineering, Liquid crystals, Displays 023
- Microcomputers, Velocity, Automotive engineering 023
- Military aircraft, Lasers, Gyroscopes, Navigation 074
- Military aircraft, Simulation, Performance, Aerodynamics 085
- Military aircraft, Speech synthesis, Testing, Systems design, Sensors 069
- Military engineering, Military aircraft, Automation, Defense 004
- Military engineering, Missiles, Sensors, Technology, Research and development 052
- Military engineering, Weapons, Service life, Reliability, Simulation 005
- Missiles, Design, Optimization, Performance 052
- Missiles, Noise, Acoustic variables measurement, Filters 086

idance and control systems, (continued)
- Missiles, Pulses, Optimal control, Motors, Algorithms 03630
- Missiles, Reliability, Statistical analysis 05282
- Missiles, Sensors, Waveguides, Millimeter waves, Signal processing 00494
- Missiles, Simulation 06985
- Missiles, Weapons, Military aircraft, Radar 04716
- Navigation, Military aircraft, Capital investment, Buying and selling 00488
- Navigation, Satellite communications, Signal transmission, Quality control 07857
- Research and development, Accelerometers, Gyroscopes, Angular measurement 03646
- Research and development, Missiles, Fiber optics, Simulation 06986
- Research and development, Missiles, Propulsion, Aerodynamics, Reliability 06984
- Robots, Distributed systems, Aircraft, Expert systems, Modeling 00441
- Robots, Sensors, Vision, Mechanical handling, Automation 00440
- Satellite communications, Navigation, Aircraft, Military engineering 00491
- Satellites, Attitude control, Error 05276
- Satellites, Position control 02095
- Satellites, Space technology 08618
- Satellites, Spacecraft, Aerodynamics, Torque measurement, Dynamics 00477
- Sensors, Performance, Testing, Design, Spacecraft 05271
- Sensors, Technological forecasting, Training, Missiles 00493
- Simulation, Aircraft, Instrumentation, Displays, Guidance and control systems 00457
- Simulation, Helicopters, Stability, Displays, Instrumentation 05263
- Software, Input, Stability, Aircraft, Plotting 00466
- Software, Spacecraft, Space Shuttle 00473
- Spacecraft, Dynamics 08611
- Spacecraft, Image processing, Instrumentation, Performance 02210
- Spacecraft, Position control, Alignment, Velocity, Computer aided control 02088
- Spacecraft, Position control, Attitude control 02096
- Spacecraft, Position control, Gyroscopes, Measurement errors, Sensors 02091
- Spacecraft, Simulation, Sensors, Filters, Synchronization 06281
- Televisions, Computer aided control, Welding 00388
- Tracking, Missiles, Carrier waves, Radar 01532
- Trajectories, Spacecraft, Propulsion, Acceleration 00482
- Transportation, Railway engineering, Scheduling, Automation, Optimization 02347

unn diodes,
- Magnetic fields, Electrons, Friction 01889
- Modeling, Field effect transistors, Integrated circuits, Dissertation 01259

unn effect,
- Oscillators, Amplifiers, Optimization, Millimeter waves, Indium phosphide 05531
- Oscillators, Design, Tuning, Waveguides 08067
- Waveguides, Oscillators, Tuning, Klystrons 06452

yroklystrons,
- Masers, Harmonics, Current, Dynamics, Numerical analysis 00931

yroscopes,
- Accelerometers, Reliability, Failure, Probability, Fault tolerance 00450
- Accelerometers, Research and development, Guidance and control systems 03646
- Detectors, Solenoids, Gravitation, General relativity, Lenz law 06841
- Fiber optics, Design, Fabrication 07730
- Fiber optics, Navigation, Research and development 07745
- Fiber optics, Wavelengths, Modulators, Frequency, Signal processing 07747
- Guidance and control systems, Spacecraft, Position control, Measurement errors 02091
- Lasers, Military aircraft 04038
- Military aircraft, Lasers, Navigation, Guidance and control systems 07417
- Navigation, Position control, Lasers 03098
- Resonance, Millimeter waves, Lasers 00937
- Rotating bodies, Sensors, Interferometers, Fiber optics, Dissertation 04545
- Space technology, Motion, Spin, Acceleration, Position control 06868

yrotrons,
- Amplifiers, Millimeter waves, Waveguides, Signal processing 07194
- Amplifiers, Waveguides, Magnetic fields, Simulation 08082
- Couplers, Impedance, Waveguides 03466
- Cycolotron frequency, Harmonics, Resonators, Cavities, Design 06476
- Electromagnetics, Millimeter waves, Magnetic fields, Solenoids 00044
- Frequency, Tuning, Resonance, Masers 06467
- Frequency, Tuning, Signal processing, Numerical analysis 06468
- Magnets, Superconductivity, Tokamaks, Fusion reactors, Cryogenics 04185
- Masers, Harmonics, Current, Dynamics, Numerical analysis 00931
- Masers, Harmonics, Microwaves, Millimeter waves 08994
- Microwaves, Frequency, Magnetic fields 04835
- Microwaves, Millimeter waves, Space charge, Current 08079
- Millimeter waves, Electron beams, Cavities, Numerical analysis 00269
- Millimeter waves, Modes, Magnetic fields 00043
- Oscillators, Harmonics, Resonators, Millimeter waves 08091
- Resonators, Oscillators, Electromagnetic fields, Charge, Modeling 06473
- Space charge, Lasers, Resonance, Plasmas 08489
- Traveling waves, Amplifiers, Waveguides, Magnetic fields, Numerical analysis 07948
- Waveguides, Coupling, Transmissions, Millimeter waves 09113
- Waveguides, Launching facilities, Plasma heating, Fusion 06454

all effect,
- Cadmium selenide, Spraying, Radiography, Optical analysis 07334
- Carrier density, Carrier mobility, Computer aided analysis, Semiconductors 08421
- Field effect transistors, Doping, Transconductance, Voltage 04428
- Gallium arsenide, Ion implantation, Annealing, Carrier density 09294
- Magnetic fields, Thin films, Charge carriers 01956
- Magnetics, Sensors, Fabrication, Doping, Transistors 06831
- Magnetoresistance, Transducers, Voltage, Configurations, Mathematical models 02668
- Metal oxide semiconductors, Field effect transistors, Conductivity 02737
- Niobium selenide, Charge density waves, Electronic structure 00030
- Resistors, Standards 08423
- Semiconductors, Doping, Electrical resistance, Temperature 06883
- Transducers, Magnetoresistivity, Signal to noise ratio, Noise 03114
- Transport properties, Electron gases, Interfaces, Metal oxide semiconductors 02821
- Voltage, Thermal variables measurement, Carrier density, Semiconductors 08417

Hamiltonians,
- Junctions, Conductors, Superconductivity, Dissertation 00299

Harbor installations,
- Control systems, Information retrieval, Navigation 03094
- Safety systems, Marine engineering, Navigation, Automation 00620

Hardware,
- Reflector antennae, State of the art 08131
- USSR, Computer crime, Exporting, Smuggling 08619

Harmonics,
- Acoustics, Electromagnetic fields, Magnetic fields, Elastic waves, Excitation 01608
- Algorithms, Control systems, Software development, Nonlinear equations 05921
- Amplifiers, Modulation, Nonlinear systems, Computer aided analysis 07192
- Commutation, Fabrication, Inverters, Waveforms 07214
- Current, Electric power generation, Power systems, Voltage, Capacitors 08258
- Current, Measurement, Magnetic fields, Power systems, Transmission lines 09099
- Current voltage, Pulse generation, Bandwidths, Modulation, Capacitors 04936
- Current voltage, Thyristors, Motors 06514
- Cycolotron frequency, Gyrotrons, Gyroklystrons, Cavities, Design 06476
- Eddy current, Integral equations, Boundary value problems, Rotation 06760
- Fiber optics, Gyroscopes, Wavelengths, Modulators, Frequency 07747
- Frequency, Lasers, Signal converters, Mixers 00906
- Gas lasers, Modes, Frequency, Stability 00920
- Generators, Power systems, Thyristors, Switching 08174
- Gyrotrons, Gyroklystrons, Cyclotrons, Masers, Numerical analysis 00931
- Gyrotrons, Masers, Microwaves, Millimeter waves 08994
- Gyrotrons, Oscillators, Resonators, Millimeter waves 08091
- Hardening, Nondestructive testing, Electric variables measurement, Transducers 01073
- Hysteresis loops, Magnetic fields, Power supply, Circuitry 01780
- Inverters, Design, Current, Inductance 08835
- Klystrons, Oscillators, Energy, Spectral analysis 00734
- Lasers, Energy conversion, Pulse generation, Fusion 02591
- Lasers, Pulse generation, Cavities, Optical analysis 00888
- Magnetic fields, Telephones, Transmission lines, Voltage, Interference 01466
- Magnetics, Coil winding machines, Deflection, Numerical analysis 02673
- Noise, Mixers, Charge carriers, Millimeter waves, Schottky diodes 04370
- Numerical analysis, Excitation, Circuitry, Microwaves 00051
- Optics, Diffraction, Liquid crystals, Electric fields 08958
- Oscillators, Electromagnetic fields, Statistical analysis 01606
- Photovoltaics, Inverters, Switching, Voltage, Motors 08874
- Power supply, Photovoltaics, Inverters 01837
- Power systems, Semiconductors, Switches, Dissertation 06589
- Quartz, Ultrasonics, Piezoelectricity, Dissertation 02630
- Recording systems, Magnetic tape, Thickness measurement, Signal processing 01094
- Reliability, Power supply, Inverters, Drives, Commutation 00120
- Resonance, Vibration, Crystals, Density, Gases 03543
- Schottky diodes, Mixing, Oscillators, Far infrared, Lasers 09195
- Semiconductors, Signal converters, Conductivity, Amplitude 02694
- Signal converters, Bridges, Control systems, Voltage, Filters 07216
- Signal converters, Bridges, Transmission lines, Interference 01037
- Simulation, Circuit breakers, Power systems, Transmission lines 03766
- Sugars, Optical properties, Second harmonic generation 06782
- Superconductors, Lasers, Photons, Excitons, Electromagnetic waves 04000
- Switching, Solar cells, Power systems, Inverters 01776
- Thyristors, Inverters, Voltage, Control systems 06598
- Thyristors, Power systems, Electrolysis, Mining 01784
- Transmission lines, Conductors, Magnetic fields 06562
- Transmission lines, Current voltage 07474
- Vibration, Transformers, Damping, Balancing 01745
- Voltage, Resonance, Power systems 06620
- Voltage, Systems design, Photovoltaics, Inverters, Capacitors 01721
- Waveforms, Transformers, Inverters, Voltage 02455
- Waveguides, Electromagnetic waves, Wave propagation 03234

Hazardous materials handling,
- Robots, Mechanical handling, Safety, Technology, Nuclear power plants 04986
- Robots, Pharmaceutical industry, Testing, Quality control 08540

Health care,
- Hospitals, Voltage, Safety systems, Fires 07078
- Information systems, Data processing, Electronic equipment, Printers 05303
- Video systems, Technology, Cardiovascular system, Risk assessment 05311

Heat exchangers,
- Flow of liquids, Magnetic variables measurement, Electric variables measurement 08463
- Fluid dynamics, Energy conversion, Oceanography, Thermal variables control 00227
- Hydroelectric power generation, Turbines, Systems design 00081
- Receivers, Simulation, Solar energy 00220
- Refrigeration, Cryogenics, Performance, Modeling, Research and development 07444
- Robustness, Controllers, Distributed systems, Parameter estimation, Operators 02056
- Solar collectors, Fuel efficiency 01827
- Stability, Discharges, Magnets, Superconductivity, Energy storage components 04265

Heat pipes,
- Spacecraft, Thermal variables control, Cryogenics, Finite element method 05257

Heat pumps,
- Energy storage components, Solar collectors, Space heating, Ventilation 00201
- Solar collectors, Heating systems, Energy conservation 01814

Heat transfer,
- Capacitors, Thyristors, Switches 02482
- Contacts, Stress, Thermodynamics, Finite element method 07232
- Convection, Cables, Pipes, Numerical analysis 04918
- Cryogenics, Linear accelerators, Superconductors, Fabrication 04138
- Flow, Anemometers, Sensors, Thermal conductivity, Silicon 06866
- Flow, Magnetic variables measurement, Boundary layers, Frequency 08290
- Flow, Thermal conductivity, Thermal variables measurement 05034
- Fluid mechanics, Energy storage components, Optimization, Solar collectors 01828
- Interferometry, Wind tunnels, Convection, Solar collectors, Dissertation 01813
- Magnetohydrodynamics, Rotating bodies, Thermal variables measurement 01787
- Mirrors, Solar energy, Filters, Solar cells 03933
- Phase transitions, Solar collectors, Energy storage components, Fluid mechanics 03349

Heat transfer, (continued)
- Plasmas, Optical analysis, Argon, Magnetohydrodynamics 03320
- Pressure, Materials testing, Cryogenics, Transmission lines 00113
- Research and development, Sensors, Detectors, Infrared, Buildings 03450
- Simulation, Clinical medicine, Tissues, Hyperthermia 05341
- Simulation, Solar collectors, Radiative transfer 03351
- Solar collectors, Energy storage components, Radiative transfer 00205
- Solar collectors, Oil, Thermal variables measurement 00226
- Solar collectors, Performance, Refrigerants, Dissertation 00211
- Spacecraft, Thermal variables control, Cryogenics, Finite element method 05257
- Superconductivity, Switches, Protective devices, Magnets 03832
- Superconductors, Interfaces, Cryogenics, Thermal variables measurement 04130
- Surface properties, Insulators, Arcs 00721
- Thermal insulation, Cables, Loading, Electric power apparatus 00136
- Thermal variables measurement, Sensors, Measurement, Convection 03412
- Thermodynamics, Radiation, Metals, Convection, Metrology 09067
- Velocity, Probes, Pressure measurement, Anemometers, Turbulent flow 00357
- Velocity, Thermal variables measurement, Anemometers, Convection 02625

Heat treatment,
- Aluminum, Polysilicon, MOSFET, Fabrication 07668
- Bearings, Quality control, Nondestructive testing 01951
- Clinical medicine, Electromagnetics, Thermal variables measurement 03666
- Cobalt, Alloys, Samarium, Magnetization, Kerr effect 05853
- Conductivity, Surface properties, Connectors, Contacts, Precious metals 02466
- Furnaces, Thermal variables measurement, Specifications, Microprocessors 01028
- Germanium, Neutrons, Irradiation, Field effect transistors, Bolometers 01894
- Hydrogen, Ions, Vibration, Dye lasers, Dissertation 01009
- Lasers, Industry, Technology, Surface properties, Metals 04050
- Lasers, Steel, Hardening, Surface properties 09040
- Magnetic variables measurement, Machine tools, Steel, Inspection 07522
- Microwaves, Capacitors, Electrodes, Biomedical engineering 06464
- Schottky diodes, Breakdown, Voltage, Interfaces, Al/n-Si 07556
- Semiconductors, Annealing, Electron guns 02718
- Semiconductors, Electron beams, Ion implantation, Annealing 05899
- Semiconductors, Hall effect, Voltage, Thermal variables measurement 08417
- Silicon, Solar cells, Current density, Stability, Pd/Nb_2O_5/a-Si:H 00784
- Sodium chloride, Potassium chloride, Single crystals, Optics, Lasers 08949
- Superconductors, Niobium, Titanium, Composite materials, Current density 04111
- Thermomagnetic effect, Reproduction (copying), Magnetic tapes, Chromium dioxide 05864
- Transducers, Polymers, Moisture measurement, Ageing 02004
- Welding, Pipes, Radio frequency 01896
- Welding, Process development, Lasers 01010

Heating,
- Induction, Thyristors, Inverters 08224
- Lasers, Mirrors, Electrons, Crystals, Lattices 07421
- Plasmas, Magnetohydrodynamics, Tokamaks, Frequency 08291
- Plasmas, Tokamaks, Wave propagation, Coupling 08292

Heating systems,
- Annealing, Pulse generation, Crystal growth, Lasers 01004
- Antennae, Tokamaks, Shielding, Optimization 06675
- Dielectrics, Microwaves, Radio frequency, Cost benefit analysis 01027
- Heat pumps, Solar collectors, Energy conservation 01814
- Metals, Materials testing, Corrosion resistance, Electrodes 03903
- Solar collectors, Calibration 03364
- Solar collectors, Fluidized beds, Combustion, Flow of gases, Phase transitions 01830
- Solar collectors, Performance, Energy storage components, Standards 00200
- Solar energy, Electric power generation, Economics, Computer aided analysis 01821
- Solar energy, Finance, Economics, Capital investment 00199
- Solar energy, Numerical analysis, Construction, Flow rates 00207
- Solar energy, Temperature, Numerical analysis 00206
- Water, Energy conservation, Thermal variables control, Microcomputers 02624

Helical antennae,
- Klystrons, Satellites, Amplifiers, Traveling wave tubes 01418
- Telemetry, Telecommunications, Tracking 04703

Helicopters,
- Adaptive control, Control systems, Fuel efficiency, Systems design, Turbines 02072
- Aerospace simulation, Displays, Military engineering 05248
- Aircraft engineering, Automatic control, Mathematical models, Autopilot 06971
- Aircraft engineering, Military aircraft, Agusta A129 Mongoose 06962
- Aircraft, Frequency, Vibration, Optimization, Structural analysis 05250
- Automatic testing, Aerospace test facilities 00454
- Computer graphics, Video systems, Microprocessors, Converters, Alphanumerics 07304
- Fiber optics, Displays, Image processing, Scanners, Laboratories 05246
- Flight control systems, Airports, Computer aided control, Displays 00468
- Gas turbines, Compressors, Blades, Magnetic variables measurement, Frequency 03629
- Image processing, Cell texturing, Digitizing, Pattern recognition, Training 03635
- Military aircraft, Displays, Flight control systems, Computer aided design 02080
- Military aircraft, Weapons, Sonar 09521
- Military equipment, Weapons, Manufacturing 06982
- Nondestructive testing, Holography, Fluid mechanics, Vortices 02602
- Propulsion, Turbines, Control systems, Economics 03639
- Radio communications, Navigation, Offshore structures, Position control 09310
- Remote sensing, Sea ice, Salinity 08683
- Rotors, Blades, Transonic flow 03536
- Rotors, Loading, Computer aided control, Feedback, Damping 03625
- Simulation, Stability, Guidance and control systems, Displays, Instrumentation 05263
- Vibration, Controllers, Simulation 00463
- Wind tunnels, Aerospace test facilities, Aircraft engineering 05247

Helium,
- Breakdown, Ruby lasers, Irradiation 07403
- Cryogenics, Materials planning and control, Liquefied gases, Superconductors 04217
- Cryogenics, Tokamaks, Superconductivity, Solenoids, Systems design 04269
- Discharges, Spark gaps, Electrodes, Ionization 07460
- Dosimetry, Nuclear reactors, Radiometry 00746
- Ionization, Discharges, Spark chambers, Streamer theory 08511
- Liquefied gases, Electrons, Surface properties, Metal oxide semiconductors 01151

Helium, (continued)
- Millimeter waves, Telescopes, Bolometers, Thermal variables measurement 00
- Superconductivity, Cryogenics, Magnets, Thermal variables measurement 04
- Superfluidity, Acoustics, Wave propagation, Waveguides, Dissertation 05
- Thin films, Surface properties, Ultrasonics, Scattering, Dissertation 05
- Thyratrons, Excimer lasers, Current, Voltage 07

Hematology,
- Blood analysis, Microwaves, Laboratory testing, Hyperthermia, Absorption 00
- Dielectrics, Radio frequency 00
- Flowmeters, Electromagnetic fields, Sensitivity 00
- Nuclear medicine, Scintillation, Image processing, Cardiovascular system 00

Heterojunctions,
- Aluminum gallium arsenide, Epitaxial growth, Liquid phase epitaxy, Dissertation 02
- Aluminum gallium arsenide, Gallium arsenide, Field effect transistors, Doping 05
- Bipolar transistors, Liquid phase epitaxy, Performance, (In,Ga)As/InP 05
- Bipolar transistors, Molecular beam epitaxy, Aluminum indium arsenide 02
- Cadmium sulfide, Chromium telluride, Photovoltaics 00
- Charge coupled devices, Image processing, Photodetectors 00
- Diodes, Liquid phase epitaxy, Current voltage, Optical properties 03
- Emitters, Gain, Metal insulator semiconductors, Bipolar transistors 01
- Field effect transistors, Differential resistance, Aluminum gallium arsenide 05
- Field effect transistors, Fabrication, Doping, Aluminum gallium arsenide 07
- Gallium arsenide, Gallium aluminum arsenide, Molecular beam epitaxy, Doping 09
- Gallium indium arsenide, IMPATT diodes, Signal converters, Band gaps 01
- Image processing, Converters, Fabrication, Liquid crystals, CdS/CdTe 05
- Infrared, Photodetectors, Photoemission 01
- Integrated circuits, Light emitting diodes, Transistors, Optics, Bistability 08
- Interfaces, Capacitance voltage, Charge density, Spectroscopy 03
- Molecular beam epitaxy, Bipolar transistors, Frequency, Performance 07
- Molecular beam epitaxy, MESFET, Gallium arsenide, Microwaves, Dissertation 09
- Optical analysis, Solar cells, Absorption, Dissertation 00
- Oscillators, Bipolar transistors, Numerical analysis, GaAs/(GaAl)As 05
- Phototransistors, Spectral analysis, Noise, Frequency, InGaAsP/InP 07
- Pn junctions, Current voltage, Carrier concentration, Space charge 07
- Pn junctions, Thermal variables measurement, Capacitance, Photovoltaic effect 03
- Semiconductor lasers, Gallium aluminum arsenide, Harmonics, Performance 01
- Semiconductors, Interfaces, Microscopy, Synchrotron radiation, Dissertation 02
- Semiconductors, Millimeter waves, MESFET, IMPATT diodes 05
- Silicon, Chemical vapor deposition, Current voltage, Si/SnO_2 00
- Solar cells, Cadmium sulfide, Doping, Indium 02
- Solar cells, Cadmium sulfide, Film growth, Evaporation, Dissertation 05
- Solar cells, Current voltage, Open circuit voltage, Temperature, (Cd 05
- Solar cells, Energy conversion, Etching 03
- Solar cells, Thin films, Optical analysis, Photovoltaics, CdS/$CuInSe_2$ 07
- Solar cells, Thin films, Photovoltaics, $CuInSe_2$/CdZnS 05
- Superlattices, Capacitors, Fabrication, Interfaces, Capacitance voltage 05
- Thin films, Dark conduction, Thermal variables measurement, N-CdS/p-CdTe 04
- Transistors, Electrodes, Charge carriers, Injection 07
- Transistors, Npn junctions, Frequency, Performance 05
- Wavelengths, Carrier waves, Fabrication, Semiconductor lasers 00
- Zinc selenide, Thin films, Photoconductivity, Photosensors 00

Heterostructure lasers,
- Aluminum gallium arsenide, Quantum wells, Design, Theoretical analysis 07
- Aluminum gallium arsenide, Thickness measurement, Temperature, Power 00
- Current, Thermal variables measurement, Energy bands, Charge carriers 00
- Design, Performance, InGaAsP/InP 057
- Design, Performance, Modes, InGaAsP/InP 057
- Detectors, Striplines, Junctions, Semiconductors 00
- Dielectric constants, Current density, Refractive indices 074
- Electrooptics, Modulation, Simulation, SPICE 089
- Fabrication, Communications, InGaAsP 090
- Fabrication, Emissions, Spectral analysis, GaInAsP/InP 057
- Fabrication, Integrated circuits, AlGaAs/GaAs, Microcleaved facets process 073
- Fabrication, Waveguides, GaInAsP/InP 073
- Fiber optics, Optical communications, Data transmission 093
- Fiber optics, Waveguides, Telecommunications, Refractive indices, InGaAsP/InP 077
- Gallium arsenide, Emissions, Pumping, Relaxation 090
- Injection lasers, Performance, InGaAsP 090
- Integrated optics, Current density, Coupling, Diodes 073
- Leakage current, Recombination, InGaAsP 073
- Modulation, Optical communications, Connectors 090
- Modulation, Waveguides, InGaAsP 091
- Optimization, Lead tin telluride, Current density, Temperature 009
- Quantum wells, Chemical vapor deposition, Epitaxial growth, (AlGa)As 040
- Semiconductor lasers, Fabrication, Diodes, Carrier waves 009
- Semiconductor lasers, Gain, Modeling, Waveguides 040
- Service life, Statistical analysis, (Al,Ga)As/GaAs 009
- Stability, Waveguides, Junctions, Diffusion 009
- Thermal variables measurement, Carrier waves, Optics 009
- Thermal variables measurement, Recombination, Radiative transfer 040
- Waveguides, Detectors, Etching, Integrated circuits 043

Heterostructures,
- Avalanche photodiodes, Noise 024
- Avalanche photodiodes, Receivers, Optimization, InGaAs/InP 056
- Carrier waves, Fabrication, Semiconductor lasers 009
- Diodes, Temperature, Spectral analysis, PbTe/$Pb_{1-x}Sn_xTe$ 026
- Doping, Modulation, Field effect transistors, Voltage 027
- Electrical conductivity, Simulation, Monte Carlo method, GaAs-GaAlAs 059
- Electroluminescence, Light emitting diodes, Thin films, Si/ZnS:Mn 008
- Electron gases, Field effect transistors, Fabrication, Epitaxial growth 092
- Electrons, Carrier mobility, Dissertation, AlGa/$Al_xGa_{1-x}As$ 011
- Light emitting diodes, Superlattices, Conduction bands 056
- Molecular beam epitaxy, Bipolar transistors, Fabrication, AlGaAs/GaAs 075
- P-n junctions, Luminescence, Semiconductor lasers, Fiber optics 061
- Photodiodes, Electric variables measurement, Voltage 0077
- Quantum wells, Transistors, Voltage, Logic circuits, Fabrication 085

erostructures, (continued)
emiconductor lasers, Dielectrics, Waveguides, Perturbation, Optical analysis 04013
ectroscopy, Noise, Electron gases 04394
aveguides, Injection, Semiconductor lasers 04320
ristics,
ectric power generation, Scheduling, Planning, Thermal variables control 00240
eometry, Diffraction, Radios, Fresnel volumes, Numerical analysis 00007
ory,
pace technology, Communications, Military, Technological forecasting 09404
pread spectrum communications, Signal detection, Noise 02887
oscopes,
ectrons, Photons, Spectrometers, Convertors, High energy physics 05081
cintillators, Photomultipliers, Resolution 05588
mium,
asers, Spectroscopy 08990
ograms,
coustics, Transducers, Data processing, Transmitters, Receivers 06862
ocalization, Fourier analysis, Spectral analysis 04041
ography,
coustics, Image processing, Fourier transforms, Scanners, Displays 03531
erosols, Image processing, Atmospheric conditions, Quality control 00365
rc welding, Nondestructive testing, Service life, Stress 02567
ismuth silicon oxide, Storage, Interference, Photodevices 09049
ontrol systems, Kinematics, Recording systems 07423
iffraction gratings, Electrooptics, Crystals, Numerical analysis 05779
isplays, Image processing, Computer aided control 05691
lectromagnetics, Diffraction, Phase conjugation, Focusing, Numerical analysis 00882
ourier transforms, Image processing, Information processing, Illumination 04035
requency, Acoustics, Transducers, Welding, Deformation 03510
requency, Vibration, Acoustics, Wave propagation 00328
nage processing, Amplitude, Coherence, Alignment 01005
nage processing, Displays, Motor vehicles, Training, Technology 09038
nage processing, Optical communications, Fourier transforms, Scattering 07307
nage processing, Optics, Rainbow holograms 09047
nage processing, Reconstruction, Computer graphics, Microwaves 04825
nage processing, Scanning, Medicine, Computer graphics, Radiology 01003
naging, Acoustic emissions 05100
naging, Resolution, Noise 08484
nterferometry, Aircraft engineering, Helicopters, Rotors, Blades 03536
terferometry, Fiber optics, Focusing, Optical systems 00995
terferometry, Measurement, Supersonic flow, Boundary layers, Dissertation 00359
asers, Measurement, Instrumentation, Image processing, Photography 05780
asers, Recording systems, Aerospace test facilities, Aerodynamics, Flow 05782
edical electronics, Image processing, Dissertation 06998
oire patterns, Nondestructive testing, Interferometry 01002
ondestructive testing, Helicopters, Fluid mechanics, Vortices 02602
ondestructive testing, Tires 00994
ptical variables measurement, Surface properties, Quartz, Photoresists 07439
ptics, Image processing, Nondestructive testing, Pattern recognition, Robots 05775
ptics, Image processing, Research and development 07429
ptics, Liquid crystals, Microwaves, Microcomputers, Scanning 08068
uality control, Production, Technology, Cameras, Research and development 04034
adiation, Scattering, Silver halide, Recording systems, Lasers 09042
ecording systems, Polarization, Diffraction, Wave propagation, Optics 09044
eflection, Emulsions, Triethanolamine, Noise, Diffraction 04040
eflectors, Polarization, Plasma heating, Optics 06630
esearch and development, Automation, Optics, Lithography, Electron beams 05778
ource encoding, Color 05774
train, Gears, Bending, Nondestructive testing 00257
urface properties, Tribology, Optics 03554
n antennae,
rror, Electromagnetic waves, Phases, Diffraction 04813
requency, Calibration, Waveguides 01059
eflector antennae, Radiation, Geometry 04856
oltage, Bandwidths, Electromagnetic waves 04854
avelengths, Standards, Performance 01666
ological instruments,
eliability, Nondestructive testing, Leak detection, Watches 08577
spitals,
naging, Radiation dosimetry, Monitoring methods, Surveys 02133
uclear medicine, Measuring instruments, Radioimmunoassay, Risk assessment 02123
adiation, Radioactive materials handling, Nuclear medicine 02124
adioisotopes, Measuring instruments, United Kingdom 00756
elecommunications, Emergency medical services, Firefighter services 06106
oltage, Safety systems, Fires 07078
el industry,
ommunication networks, Electronic mail, Videotex, Midland Hotel 07837
nan factors,
ircraft, Displays, Luminescence 00824
peech recognition, Psychology, Error, Statistical analysis 01488
tress, Military engineering, Ergonomics, Behavior 02125
elecommunications, Teleconferencing, Dissertation 06090
nidity,
lectronic equipment, Instrumentation, Hygrometers 03549
gary,
ommunication networks, Microwave devices, Path location, Wave propagation 01454
peech synthesis, Telephones, Customer services, Research and development 01452
elephones, Customer services, Speech transmission, Quality control, Standards 01453
elephones, Systems design, Telecommunications, Research and development 01456
raulic control equipment,
lectrodialysis, Mass transfer, Process development, Desalination 02320
auges, Automatic control, Pressure, Rolling mills, Servomechanisms 01080
athematical models, Control systems, Actuators, Simulation, Manipulators 02037
oftware development, Vision, Robots, Computer aided control, Manufacturing 02028
rocarbon processing,
ectric variables measurement, Dispersion, Structural analysis 05084

Hydrocarbon processing, (continued)
Electromagnetic fields, Desalination, Distillation 00171
Instrumentation, Process control, Quality control, Reliability 02066
Oil refining, Equipment, Recycling, Instrumentation, Process control 03616
Hydrodynamics,
Acoustic waves, Cryogenics, Dispersion, Density, Dissertation 00355
Beams, Modeling, Kinematics, Flow of gases 08287
Electrochemistry, Fabrication, Electrodialysis 02324
Incompressible flow, Rotating bodies, Magnetohydrodynamics 00159
Magnetic variables control, Rotating bodies, Stability, Flow of liquids 08465
Magnetic variables measurement, Underwater technology, Sensors, Flow, Vortices 03495
Oceanography, Thermal variables measurement, Radiometers, Remote sensing 04713
Oscillation, Frequency, Stability, Nonlinear systems 01934
Radar, Microwaves, Reflectance, Image processing 00563
Thermal variables measurement, Oceanography, Remote sensing, Infrared 03446
Velocity, Flowmeters, Lasers, Anemometers 02608
Hydroelectric power generation,
Capacitors, Fault detection, Inspection, Standards 00126
Control systems, Microcomputers, Water supply, Loading 03381
Control systems, Storage, Pumps, Research and development, Civil engineering 06606
Economics, Power plants, Resource management, Performance, Generators 04950
Economics, Scheduling, Resource management, Allocation, Optimization 06685
Energy storage, Compressed air equipment, Two phase flow, Stability, Modeling 04952
Environmental protection, Dynamics, Performance, Economics, Systems design 04951
Fiber optics, Generators, Sensors, Air gaps 01703
Frequency, Scanning, Simulation, Impedance, Measurement 04963
Fuels, Economics, Prediction, Energy conservation, Dissertation 01843
Generators, Design, Maintenance, Performance 06550
Generators, Stators, Rotors, Contacts 01712
Generators, Thermal variables control, Stability 00082
Heat exchangers, Turbines, Systems design, Energy storage components 00081
Magnetics, Turbines, Rotors, Design 08165
Power plants, Construction, Resource management, Ecology, Economics 05024
Power plants, Energy resources, Energy conservation, Generators 00232
Power plants, Ignition, Frequency, Pumps, Energy storage components 00138
Power plants, Transmission lines, Maintenance, Radio communications 04533
Production planning, Operations, Optimization 03390
Pumps, Energy storage components, Control systems 00137
Pumps, Storage, Computer programs, Desktop systems, Simulation 01702
Repair, Oscillation, Shafts, Stiffness, Generators 01701
Scheduling, Brazil, Modeling 03312
Service life, Generators, Project engineering, Modernization 00084
Simulation, Damping, Loading, Flow, Turbines 04881
Simulation, Optimization, Water supply, Meteorology 03380
Thermal variables measurement, Coordination, Scheduling 01778
Thermodynamics, Scheduling, Energy resources, Loading, Random variables 05008
Turbines, Shafts, Rotors 00083
Turbines, Torque, Flow, Control systems, Generators 05020
Utilities, Turbines, Bulb turbines 08178
Hydrofluoric acid,
Etching, Polysilicon, Bipolar transistors, Fabrication 07563
Lead, Graphite, Accumulators, Design 04973
Hydrogen,
Additives, Gas lasers, Optimization 07401
Arc welding, Structural analysis, Flow of gases, Optics, Defect detection 05689
Combustion, Noise levels, Thermal variables control, Fuel technology 05102
Lead, Acids, Conductance, Batteries 00179
Masers, Magnetic fields, Atoms, Performance, Optimization 08980
Masers, Noise, Frequency, Receivers, Stability 08975
Metals, Semiconductors, Schottky diodes, Silicon, Adsorption 07550
Nickel, Batteries, Cells, Separators, Design 08319
Nickel, Cells, Satellite communications, Performance 06651
Semiconductors, Deformation, Energy bands, Dissertation 02709
Hydrogen fluoride,
Chemical lasers, Fabrication, Calibration; Spectral analysis 08378
Hydrology,
Drainage, Landsat, Geology, Remote sensing 00545
Image processing, Environmental protection, Tracking, Monitoring, Floods 02205
Mathematical models, Remote sensing, Image processing, Research and development 03687
Remote sensing, Radar, Mapping, Meteorology, Snow cover 07022
Hygrometers,
Radiometry, Microwaves, Moisture measurement 01632
Hyperthermia,
Dose response effects, Tumors, Microwaves, Cancer 05305
Hysteresis,
Circuitry, Bent hysteresis, Design, Chaotic systems 02425
Flux, Motors, Coil winding machines 00076
Generators, Millimeter waves, Power, Frequency 01699
Magnetics, Electromagnets, Testing 01083
Magnetization, Magnetooptics, Recording systems, Ferrites, Garnet 05852
Simulation, Modeling, Loops, Electromagnetics, Control systems 01084
Structural analysis, Magnetic variables control, Circuitry, Modeling, Graphs 01950
Switching, Magnetics, Recording systems 05874

Identification,
Algorithms, Control systems, Multivariable systems, Noise, Filters 03572
Circuitry, Decomposition, Networks, Fault tolerance, Fault detection 08780
Electric power generation, Loading, Flow, Algorithms, Modeling 04962
Electric power transmission, Control systems, Filters, Security 06683
Fault detection, Circuitry, Communication networks, Topology 03830
Fault tolerance, Power systems 06696
Filtering, Color, Detection, Optical communications, Pattern recognition 07904
Frequency, Transfer functions, Transformations, Regression analysis 05169
Image processing, Photography, Ecology, Fisheries, Computer aided analysis 03993

Identification, (continued)
Image processing, Remote sensing, Geology, Mapping, Photography 05357
Integrated circuits, Fault detection, Redundancy, Testing, Dissertation 06059
Least squares estimation, Autoregressive analysis, Modeling, Algorithms 07893
Noise, Kernels, Estimation, Nonlinear systems 09523
Parameter estimation, Power plants, Metering, Data transmission, Detection 05018
Pattern recognition, Remote sensing, Data collection, Tracking, Simulation 05364
Resource management, Mapping, Classification, Spectral analysis, Scanning 05358
Signal processing, Memory, Sensors, Feature extraction, Pipelines 06338
Signal processing, Radar, Scattering, Reliability, Economics 04706
Signal processing, Transforms, Speech synthesis, Coding, Dissertation 06315
Vision, Data structure, Programming languages, Algebra, Dissertation 05723

Ignition,
Arcs, Current, Electrodes 01756
Computer aided control, Internal combustion engines, Valves, Microcomputers 02337
Hydroelectric power generation, Power plants, Frequency, Pumps 00138
Internal combustion engines, Torque measurement, Velocity, Simulation 02338
Semiconductors, Spark gaps, Propulsion, Plasmas, Impedance, Pulse generation 02111
Thyristors, Combustion, Integrated circuits, Phase locked loops 00675
Transmission lines, Fuel technology, Voltage, Discharges 00092

Illumination,
Amplifiers, Thin films, Electroluminescence, Photodevices 03963
Capacitance, Energy bands, Excitation, Metal oxide semiconductors 01153
Diodes, Silicon, Space charge, Degradation, Annealing 05907
Electric power transmission, Antennae, Frequency, Tuning 06433
Fluorescence, Ballasts, Photodevices, Product development, Power supply 00826
Fourier transforms, Holography, Image processing, Information processing 04035
Gallium indium arsenide, MESFET, Voltage 05986
Josephson junctions, Tunneling, Lead, Cadmium sulfide, Current voltage 04167
Metal insulator semiconductors, Solar cells, Current density, Voltage 02506
Open circuit voltage, Solar cells 08880
Optical storage, Focusing, Modulation 01516
Optics, Image processing, Photodevices 08954
Optics, Safety systems, Offshore structures, Standards 02525
Photodetectors, Schottky diodes, Semiconductors, Field effect transistors 02735
Schottky barriers, Solar cells, Photovoltaics 05641
Silicon, Solar cells, Dislocations, Injection, Short circuits 05639

Image processing,
Acoustics, Holography, Fourier transforms, Scanners, Displays 03531
Acoustics, Sensors, Modeling, Signal to noise ratio, Dissertation 08470
Aerosols, Holography, Atmospheric conditions, Quality control 00365
Aerosols, Satellite communications, Boundary layers, Meteorology, Sensors 07061
Agriculture, Tracking, Computer programs, Simulation, Satellite communications 02236
Agriculture, Tracking, Scanning, Satellite communications, Angular measurement 02227
Algorithms, Computed tomography, Detection, Minicomputers 06996
Algorithms, Medicine 08631
Amplitude, Modulation, Ultrasonics, Acoustooptics, Transducers 06386
Antennae, Radar, Ultrasonics, Audio systems, Error, Dissertation 04749
Arc welding, Monitoring, Cameras, Optics 08955
Arrays, Integrated circuits, Bandwidths, Structural analysis, Loading 06030
Arrays, Parallel processing, Remote sensing, Statistical analysis, Dissertation 03691
Artificial intelligence, Fiber optics, Mechanical handling, Robots 09327
Artificial intelligence, Nondestructive testing, Robots, Vision 08534
Artificial intelligence, Pattern recognition, Knowledge representation 05717
Beta radiation, Liver, Ultrasonics 06991
Biology, Optics, Electron microscopy 05701
Biomedical engineering, Cardiovascular system, Myocardial extracellular space 03675
Biomedical engineering, Gamma radiation, Quality control 05295
Biomedical engineering, Reconstruction, Pattern recognition 03672
Biomedical engineering, Resolution, Transducers, Ultrasonics 01992
Biomedical engineering, Signal to noise ratio, Radiation, Detection, Displays 06997
Biomedical engineering, X-rays, Signal to noise ratio, Filtering, Measurement 06994
Cameras, Electronic equipment, Mapping, Productivity, Automation 02546
Cameras, Performance, Testing 06153
Cartography, Automation, Data collection, Modules 02238
Cartography, Mapping, Scanning, Topology, Color 02188
Cartography, Pattern recognition, Artificial intelligence 02565
Cartography, Photography, Mapping, Distortion, Photogrammetry 05347
Cartography, Remote sensing, LANDSAT, Forest management 02175
Cartography, Scanning, Spectral analysis, Mapping, Economics 02215
Channels, Diffusion, Speckle, Interferometers 05731
Charge coupled devices, Optimization, Registers 07312
Charge coupled devices, Photodetectors, Heterojunctions 00775
Charge coupled devices, Radio astronomy, Pulsars, Photometry 07070
Charge coupled devices, Visible range, Recording systems, Cameras 07651
Classification, Environmental protection, Resource management 02198
Classification, Spectral analysis, Remote sensing, Dissertation 05346
Clinical medicine, Diseases, Ultrasonics, Dissertation, Liver disease 08629
Coding, Data compression 08942
Coding, Displays, Optics, Noise, Dissertation 06131
Coding, Distributions, Signal to noise ratio, Statistical analysis, Simulation 06364
Coding, Error, Demodulation, Reliability, Quality control 03191
Coding, Operators, Pixels, Functions, Filtering 03180
Coding, Pulse code modulation, Transformations, Algebra, Algorithms 07952
Color, Distributions, Operators, Liquid crystals, Light valves 02530
Color, Video systems, Coding 07711
Color, Vision, Pattern recognition, Perception 08893
Computed tomography, Cameras, Computer aided analysis, Neural system 00521
Computed tomography, Filtering, Time measurement, Reconstruction 00509
Computed tomography, Interpolation, Radar, Spectral analysis, Dissertation 04714
Computed tomography, Measurement Error, Medical electronics 03659
Computed tomography, Operators, Attenuation, Cameras, Modeling 03667
Computed tomography, Pattern recognition, Noise, Stability, Numerical analysis 09338
Computed tomography, Radioisotopes, Attenuation, Modeling, Dissertation 03967
Computed tomography, Scanning, Radiology, Microprocessors, Archeology 03660
Computed tomography, Synthetic aperture radar, Mapping, Algorithms 06289

Image processing, (continued)
Computer aided control, Robots, Vision, Microcomputers 03
Computer graphics, Computer aided design, Printing industry, Cartography 08
Computer graphics, Computer aided design, Structural parts 07
Computer graphics, Displays, Monitoring, Controllers, Integrated circuits 08
Computer graphics, Displays, Televisions, Receivers, Minicomputers 07
Computer graphics, Office automation, Broadcasting, Printing industry 07
Computer graphics, Pattern recognition, Surface texture, Raster displays 03
Computer graphics, Raster displays, Vision, Interactive systems, Dissertation 03
Converters, Fabrication, Heterojunctions, Liquid crystals, CdS/CdTe 05
Cryogenics, Receivers, Modules, Amplifiers, Radiometry 03
Data base management systems, Pattern recognition, Data structure 05
Data bases, Coding, Boundary value problems, Reconstruction 06
Data bases, Plotting, Photography, Minicomputers, Terrain analysis 00
Data collection, Meteorology, Natural disasters, Remote sensing, METEOSAT 08
Data compression, Least squares estimation, Algorithms, Dissertation 02
Data compression, Pulse code modulation, Interpolation, Simulation 05
Data structure, Pattern récognition, Dissertation 05
Dielectric constants, Numerical analysis 02
Dielectric constants, Xerographics, Bonding, Photoreceptors 011
Diffraction gratings, Interferometry, Optics, Aberrations 07
Diffusion, Photodiodes, Signal processing, Arrays, Oxygen 00
Displays, Color, Computer graphics, Perception, Dissertation 02
Displays, Color, Receivers, Modeling, Statistical analysis 03
Displays, Color, X-rays, Cameras 03
Displays, Control systems, Acoustics, Software development, Interactive systems 03
Displays, Electric variables measurement, Current voltage, Design 08
Displays, Light valves, Sensors, Photodevices, Liquid crystals 02
Elasticity, Microscopy, Acoustics, Dissertation 03
Electric power generation, Surface properties, Grounding, Resistance, Mapping 04
Electromagnetic fields, Dipoles, Electrical conductivity 016
Electron microscopy, Contrast, Phases, Pattern recognition 00
Electronic equipment, Optics, Pattern recognition, Automation 05
Electrooptics, Kareunen-Loeve expansion 00
Electrooptics, Optical character recognition 00
Electrooptics, Scanning, Microscopy 089
Electrostatics, Lenses, Fabrication, Modeling 056
Environmental protection, Resource management, Computer graphics, Mapping 022
Environmental protection, Tracking, Monitoring, Hydrology, Floods 022
Eyes, Vision, Technology 008
Fabrication, Logic circuit diagrams, Pattern recognition 059
Fabry Perot interferometers, Doppler shift, Thermodynamics 087
Far infrared, Detectors, Antennae, Optical systems, Dissertation 067
Far infrared, Telescopes, Temperature, Solar activity 070
Fast Fourier transforms, Fast polynomial transforms, Structural analysis 047
Fasteners, Robots, Aircraft engineering, Wings, Charge coupled devices 052
Fiber optics, Displays, Helicopters, Scanners, Laboratories 052
Fiber optics, Interferometry, Optimization, Focusing 008
Fiber optics, Microscopy, Alignment, Ray tracing 093
Fiber optics, Refractive indices, Filters, Coding, Transmission 013
Filtering, Arrays, Circuitry, Stability, Televisions 072
Filters, Diffraction, Amplitude, Numerical analysis 057
Filters, Integrated circuits, Modeling, Ghost canceller, Televisions 013
Filters, Signals, Cutoff frequency, Ξ-filters 023
Filters, Stochastic processes, Noise, Storage, Matrices 023
Filters, Targets, Detection, Algorithms, Numerical analysis 057
Flow, Robots, Cameras, Sensitivity analysis, Kinematics 057
Focusing, Entropy, Histograms 072
Forestry, Mapping, Remote sensing, Software development 022
Fourier transforms, Holography, Information processing, Illumination 040
Genetics, Pattern recognition, Information retrieval, Storage 039
Geography, Filtering, Modeling, Satellite communications, Algorithms 021
Geology, Computer aided analysis, Resource management, Satellite communications 022
Geology, Mapping, Energy resources, Mineralogy, Thermal variables measurement 086
Geology, Mapping, Spectral analysis, Data processing, Thermodynamics 070
Geology, Photography, Software development, Pattern recognition 053
Germanium, Lenses, Surface properties, Veiling glare, Optics 0087
Holography, Amplitude, Coherence, Alignment 010
Holography, Displays, Computer aided control 056
Holography, Displays, Motor vehicles, Training, Technology 090
Holography, Medical electronics, Dissertation 069
Holography, Optics, Nondestructive testing, Pattern recognition, Robots 0577
Holography, Optics, Rainbow holograms 0904
Holography, Optics, Research and development 0742
Holography, Scanning, Medicine, Computer graphics, Radiology 0100
Holography, Source encoding, Color 0577
Hydrology, Mathematical models, Remote sensing, Research and development 0368
Information systems, Computer aided control, Optics, Kodak 0615
Infrared, Detectors, Pattern recognition, Weapons 0698
Instrumentation, Performance, Spacecraft, Guidance and control systems 0221
Integrated circuits, Algorithms, Radar, Optics, Artificial intelligence 0927
Integrated circuits, Architecture, Filtering, Pattern recognition, Dissertation 0445
Integrated circuits, Dies, Manipulators, Packaging, Systems design 0766
Integrated circuits, Fault tolerance, Monte Carlo method, CMOS, Crosstalk 0890
Integrated circuits, Signal processing, Programming, Structural analysis 0444
Interferometry, Diffraction gratings, Dissertation 0090
Interpolation, Computed tomography, Frequency, Functions, Simulation 0699
Interpolation, Filtering, Frequency, Specifications, Approximations 0712
Interpolation, Functions, Quality control, Smoothing 0399
Lasers, Documentation, Printers, Office automation 0904
Lasers, Flow measurement, Automatic control 0903
Lasers, Measurement, Instrumentation, Photography, Holography 0578
Lasers, Optical storage, Beam propagation, Recording systems 0150
Lasers, Optics, Printers, Computer graphics, Scanning 0903
Light scattering, Interferometry, Photons 0001
Magnetic storage, Recording systems, Density, Radiology 0213

age processing, (continued)
Mapping, Aerial photography, Environmental protection, Saudi Arabia 02214
Mapping, Aerial photography, Remote sensing, Ecology, Shoreline erosion 02226
Mapping, Classification, Remote sensing, Satellite communications 02208
Mapping, Computer programs, Mathematical models, Bathymetric charts 00566
Mapping, Data bases, Geology, Simulation, Displays 00533
Mapping, Data collection, Aerial photography, Factor analysis 02239
Mapping, Displays, Remote sensing, Radar, Aircraft 02895
Mapping, Geology, Photography, Color, Simulation 02252
Mapping, Noise, Cartography 05349
Mapping, Photogrammetry, Satellite communications, Greece 03685
Mapping, Radiometry, Calibration 08661
Mapping, Raster displays, Plotting, Data structure, Computer aided analysis 02232
Mapping, Remote sensing, Mathematical models, Arrays, Sensors 03686
Mapping, Remote sensing, Soil science, Geology 07034
Mapping, Satellite communications, Resource management, Remote sensing 02245
Mapping, Sonar, Oceanography, Remote sensing 06304
Mapping, Statistical analysis, Distributions, Dissertation 08932
Mathematics, Numerical analysis, Computer graphics 05664
Matrices, Algebra, Factor analysis, Optics, Arrays 07308
Matrices, Estimation, Vision 03988
Matrices, Pattern recognition, Minimization 05711
Measurement errors, Nuclear magnetic resonance, Simulation, Distortion 00270
Mechanical strength, Strain, Creep, Thermodynamics, Finite element method 03427
Medical electronics, Cardiovascular system, Pattern recognition 05312
Medical electronics, Cardiovascular system, X-rays 05313
Medical electronics, Pattern recognition, Signal to noise ratio 03670
Medical electronics, X-rays, Quality control 05299
Medical engineering, Cardiovascular system, Monitoring, Synchronization 03674
Meteorology, Radiation, Solar energy, Satellites, Remote sensing 00573
Meteorology, Rain, Remote sensing 03717
Meteorology, Remote sensing, Microwave devices 04828
Meteorology, Satellites 08694
Meteorology, Satellites, Infrared, Telemetry, Digitizing, Calibration 03710
Meteorology, Satellites, Remote sensing, Brazil 08693
Micrographics, Electronic equipment, Integrated systems, Information services 01328
Micrographics, Technology, File management, Storage, Displays 02564
Micrographics, Transmission, Technology, Research and development 02921
Microprocessors, Parallel processing 03997
Microprocessors, Signal processing, Texas Instruments TMS 320 04758
Microprocessors, Televisions, Security, Cameras, Interactive systems 03565
Microwave devices, Scanning, Environmental protection, China 02190
Microwaves, Remote sensing, Computed tomography, Thermal variables measurement .. 00047
Military engineering, Satellites, Meteorology 00572
Military engineering, Weapons, TOW, Design 00502
Millimeter waves, Lenses, Antennae, Optical analysis 08121
Missiles, Infrared, Guidance and control systems, Electrooptics 00274
Modeling, Noise, Radar, Remote sensing 04718
Modeling, Optical communications, Modulation, Crystals, Converters 07311
Modeling, Pattern recognition, Spectral analysis, Dissertation 03979
Modeling, Restoration, Dissertation 08934
Modeling, Segmentation 05658
Multiplexing, Transmission, Fiber optics 04567
Networks, Multiprocessing, Cost benefit analysis, Data transmission 06203
Noise, Edge detection, Dissertation 02582
Noise, Scanning, Microscopy, Computer aided analysis 08888
Noise, Signal processing, Simulation, Statistical analysis, Dissertation 06311
Nuclear magnetic resonance, Signals, Magnetic fields, Reconstruction 06729
Nuclear magnetic resonance, Superconductors, Structural analysis 03440
Nuclear magnetic resonance, Tomography, Protons, Biomedical engineering 05045
Nuclear medicine, Radioisotopes, Photon emission tomography, Scanning 00506
Oceanography, Atmospheric conditions, Thermal variables measurement, Satellites 03448
Oceanography, Bottom loss, Acoustic variables measurement 03709
Oceanography, Infrared, Radiometers, Computer aided analysis 03447
Oceanography, Radar, Remote sensing, Sea-ice types 06294
Office automation, Economics, Technological forecasting, Microimaging 03749
Optical analysis, Displacement, Speckle 00887
Optical analysis, Reflectance, Oceanography, Ecology 00560
Optical character recognition, Pattern recognition, Scanning, Input output 02575
Optical communications, Computed tomography, Amplitude, Diffraction, Coherence 07330
Optical communications, Computed tomography, Frequency, Rotation, Microwaves 07329
Optical communications, Fourier transforms, Scattering, Holography 07307
Optical communications, Mixers, Waves, Materials testing 07327
Optical communications, Modulation, Materials testing, Performance 07299
Optical communications, Processors, Color, Coding, Interactive systems 07331
Optical communications, Signal processing, Electromagnetics, Modulation 07318
Optical communications, Signal transmission, Modulation, Input output 07319
Optical communications, Silicon, Liquid crystals, Structural analysis 07300
Optical storage, Lenses, Quality control, Automatic control 01504
Optical storage, Videodiscs, Technological forecasting, Data processing 00898
Optical systems, Signal processing, Systems design, Dissertation 00883
Optical systems, Wave propagation, Electromagnetic fields 00885
Optics, Aberration, Reflection, Wave propagation, Dissertation 06414
Optics, Error, Plotters, Recording systems 06133
Optics, Illumination, Photodevices 08954
Optics, Integrated circuits, Interconnections 00896
Optics, Pattern recognition, Sensors 00413
Optics, Pixels, Functions, Flow, Numerical analysis 05712
Optics, Printing, Illumination, Integrated circuits, Masks 02839
Optics, Processors, Partial differential equations, Feedback, Dissertation 00894
Optics, Quality control 05660
Optics, Signal processing, Noise, Filters 00881
Optics, Stability, Oscillation, Feedback 00889
Optimization, Optics, Telescopes 07333
Optimization, Problem solving, Functions, Multipole method 06814
Oscilloscopes, Bar codes, Measurement, Programming, Error 02146

Image processing, (continued)
Parallel processing, Filtering, Algorithms 08944
Parallel processing, Reliability, Pattern recognition, Filtering, Dissertation 03184
Parallel processing, Sampling methods, Multiprocessing 05702
Partitioning, Buses, Shift registers, ZMOB 05704
Partitioning, Coding, Pel Adaptive DPCM Coding 01588
Partitioning, Protocols, Office automation 05703
Pattern recognition, DEC VAX 11/780, Stereo image line object extraction 05666
Pattern recognition, Encoding, Histograms 07305
Pattern recognition, Filtering, Noise, Thermographics 07464
Pattern recognition, Filtering, Smoothing 08939
Pattern recognition, Filters 05663
Pattern recognition, Medical electronics, Computed tomography 02571
Pattern recognition, Modeling, Subpixel analysis 00539
Pattern recognition, Noise, Quantization 03113
Pattern recognition, Nondestructive testing, Component boards, Inspection 05719
Pattern recognition, Nondestructive testing, Inspection, Assembling 08943
Pattern recognition, Optimization, Data collection 00892
Pattern recognition, Packaged components, Computer graphics 02827
Pattern recognition, Perception, Segmentation, Interpretation, Algorithms 05707
Pattern recognition, Peripheral devices, Picture processing 01327
Pattern recognition, Robots, Vision 05727
Pattern recognition, Segmentation, Matching, Data structure, Dissertation 08933
Pattern recognition, Sensors, Robots, Vision 02048
Pattern recognition, Structural analysis, Coding, Data transmission 00863
Pattern recognition, Surface texture, Modeling 02170
Pattern recognition, Ultrasonics, Boundary extraction 05729
Phase locked loops, Modulation, Sensors, Lasers, Measurement 07428
Photoemissions, Gallium arsenide, Lithium niobate, Semiconductors 00836
Photogrammetry, Automation, Density, Mapping, Systems analysis 02233
Photogrammetry, Distortion, Cameras, Displays, Computer programs 05583
Photogrammetry, Filters 07030
Photography, Ecology, Fisheries, Computer aided analysis, Identification 03993
Photography, Photometry, Automation, Space technology 08705
Photography, Toner, Concentration, Measurement, Gravimetry 06876
Photoresists, Optical systems, Performance, Contrast 02540
Picture tubes, Three dimensionality, Televisions, Optics 02969
Pixels, Correlation coefficients, Mapping, Error, Spectral analysis 05351
Polarization, Mapping, Moon 08701
Printed circuit boards, Inspection, Automatic testing, Fault detection 09300
Printing, Lasers, Data transmission, Computer aided control 02611
Printing, Pattern recognition, Thermal variables control, Matrices 02541
Probes, Optics, Fabrication, Quadrupole systems 03968
Processors, Networks, Architecture, Fault tolerance 00890
Production control, Assembling, Inspection, Printed circuit boards 00412
Programming, Microprocessors, Computer aided manufacturing 06125
Programming, Systems analysis, Software development 05700
Quality control, Edges, Detection, Segmentation, Performance 05715
Quality control, Production control, Punching 00411
Radar, Fourier transforms, Spectral analysis 07878
Radar, Geology, Remote sensing, Mapping, Structural analysis 07020
Radar, Gravity waves, Mathematical models, SAR 09500
Radar, Mapping, Optics, Geology, Interactive systems 07028
Radar, Mapping, Remote sensing, Spacecraft 02213
Radar, Military engineering, Weapons 04723
Radar, Oceanography, Bathymetry, Wave propagation 02276
Radar, Pattern recognition, Mapping, Geography 07027
Radar, Quality control, Satellite communications, Mapping, Geology 07029
Radar, Remote sensing, Modulation, Wave propagation, Water depth 01525
Radar, Resolution, Noise 06293
Radar, Signal processing, Pattern recognition, Scattering, Resonance 06303
Radar, Signal processing, SAR, SEASAT 09499
Radar, Statistical analysis, Polarization, Oceanography 07871
Radar, Surveys, Oceanography, SAR 09501
Radar, Targets, Noise, Information theory, Dissertation 06288
Radiance, Pixels, Scattering, Optics, Statistical analysis 00538
Radiography, Contrast, Digitizing 00843
Radiography, Tracking, Cameras, Computer graphics, Displays 03669
Radiology, Computed tomography, Reconstruction 03671
Radiology, Filters, Simulation 05042
Radiology, Resolution, Quality control 05304
Raster displays, Computer graphics, Polygon conversion 07332
Raster displays, Resolution, Quality control 03962
Reconstruction, Computer graphics, Microwaves, Holography 04825
Reconstruction, Organization and methods, Beam hardening, Quality control 06993
Redundancy, Convergence, Reliability, Interpretation, Pattern recognition 05708
Reflectance, Microwaves, Oceanography, Radar 00563
Reflectance, Velocity, Fiber optics, X rays 03452
Remote sensing, Antennae, Cameras, Radios, Adaptive control 02906
Remote sensing, Autocorrelation, Mapping, Simulation, Statistical analysis 07024
Remote sensing, Cartography, Geology, Oceanography 08652
Remote sensing, Computer graphics, Pattern recognition 02178
Remote sensing, Feature extraction, Filtering, Classification, Performance 07025
Remote sensing, Filtering, Quality control, Stability 02251
Remote sensing, Geology, Mapping, Photography, Identification 05357
Remote sensing, Geophysics, Petrochemical industry 00531
Remote sensing, Mapping, Calibration 07032
Remote sensing, Mapping, Displays, Computer graphics, Software development 02225
Remote sensing, Mapping, Synthetic aperture radar, Resolution 05354
Remote sensing, Meteorology, Ocean-atmosphere system 08675
Remote sensing, Radar, Scatterometers, Ocean circulation 08670
Remote sensing, Radiometers, Thermal variables measurement 03436
Remote sensing, Raster displays, Microprocessors, Interactive systems 02202
Remote sensing, Satellites, Mapping, Geography 07035
Remote sensing, Satellites, Ocean surveying, Current data 08672
Remote sensing, Satellites, Scanning, Astronomy 03980

Image processing, (continued)
Remote sensing, Segmentation, Coding, Conference 08936
Remote sensing, Seismology, Pattern recognition 02181
Remote sensing, Spatial resolution 00540
Remote sensing, Waves, Oceanography, Boundary layers 03707
Resolution, Spectral analysis 08886
Resource management, Remote sensing, Meteorology, Satellite communications 02199
Restoration, Adaptive arrays, Geometry, Pattern recognition 01663
Restoration, Linear equations, Fourier transforms 07322
Robots, Inspection, Pattern recognition 00417
Robots, Man machine interactions, Collision avoidance control 00420
Robots, Nondestructive testing, Quality control 00444
Robots, Vision, Cameras, Lasers, Calibration 07431
Robots, Vision, Segmentation, Systems design, Dissertation 03578
Robots, Vision, Systems design 00418
Satellite communications, Films, Mapping, Data processing 00535
Satellite communications, Mapping, Color, Classification, Scotland 02222
Satellite communications, Mapping, Groundwater, Egypt 02209
Satellite communications, Mapping, Resource management, Computer aided analysis 02243
Satellite communications, Random access memory, Buffers, Transmission lines 03050
Satellite communications, Remote sensing, Meteorology, Scattering 07026
Satellite communications, Remote sensing, Performance, Algorithms 07023
Satellite communications, Resource management, Data collection 02196
Satellite communications, Resource management, Radar, Microwave devices 02258
Satellite communications, Sensors, Algorithms, Agriculture, Forestry 05356
Satellite communications, Sensors, Thermal variables measurement, Mapping 02191
Satellites, Detectors, Performance 05060
Satellites, Filtering 08937
Satellites, Ultraviolet Detectors 05056
Saudi Arabia, Resource management, Mapping, Satellite communications 02221
Scanners, Radiology, Ultrasonics 05298
Scanning electron microscopy, Computer aided analysis, Backscattering 02557
Scanning electron microscopy, Silicon, Integrated circuits, Fourier transforms 04467
Scanning, Remote sensing, Mapping, Transformations, Automation 02185
Scattering, Frequency, Attenuation, Algorithms 05697
Scatterometers, Remote sensing, Wave spectra, Ocean circulation 08671
Scene analysis, Parameter estimation, Optics, Flow, Dynamics 05724
Scene analysis, Pattern recognition, Vision 05716
Scintillation, Hematology, Nuclear medicine, Cardiovascular system 00527
Segmentation, Pattern recognition, Surface texture, Dissertation 00871
Segmentation, Satellites, Remote sensing 08938
Sensors, Charge coupled devices 05598
Sensors, Parameter estimation, Optics 02570
Sensors, Position control, Computer aided control, Work holders, Arc welding 00446
Sensors, Signal to noise ratio, Scanning, Landsat-4 08658
Sequences, Vectors, Input output, Stability, Recursion 00865
Signal converters, Wave propagation, Radiation 04816
Signal processing, Speech synthesis, Coding, Telecommunications 01587
Signal to noise ratio, Contrast, Diagnostics, Biomedical engineering 00516
Signal to noise ratio, Frequency, Multiplexing, Detectors 05671
Signal to noise ratio, Information theory 08940
Signal to noise ratio, Robustness, Distributions, Modeling, Dissertation 06332
Signal to noise ratio, Signal processing, Systems design, Televisions 02939
Signal transmission, Diodes, Mixers, Current voltage, Frequency 03257
Signals, Coding, Filters, Markov processes 06363
Signals, Control systems, Parameter estimation, Performance, Algorithms 07963
Signals, Convolution, Ultrasonics 02143
Signals, Pattern recognition, Edge detection, Dissertation 03983
Simulation, Video systems, Computer aided analysis 01322
Software development, Information systems, Data bases, Storage, File management 05725
Soil science, Remote sensing, Surface properties, Electric fields 03696
Sonar, Marine technology 09518
Sonar, Pattern recognition, Matching, Spectral analysis 06306
Sonar, Underwater technology, Navigation, Modeling, Marine engineering 07879
Spacecraft, Computer aided control, Satellite communications 06969
Spacecraft, Mapping, Televisions, Topography 02200
Speech recognition, Sequences, Data compression, Dissertation 03083
Stereoscopics, Satellites, Remote sensing, Technological forecasting 00551
Storage, Televisions, Remote sensing, Data compression, Dissertation 06372
Surface properties, Bragg scattering, Electromagnetic waves, Wave propagation 01603
Surface texture, Optics, Tracking, Erosion, Statistical analysis 00897
Synchronization, Receivers, Interference, Error, Algorithms 02073
Synthetic aperture radar, Antennae, Satellite communications, Ocean surface 01531
Targets, Turbulence, Prediction, Modeling, Optics 06161
Telecommunications, Office automation, Radios, Speech transmission 03043
Telecommunications, Output devices, Magnetic tapes, Interfaces 01329
Teleconferencing, Vision, Computer graphics, Interactive systems 06157
Televisions, Cameras, Pyroelectricity, Lasers 07314
Televisions, Masks, Focusing 03907
Televisions, Robots, Artificial intelligence, Data transmission 00430
Televisions, Sound propagation, Channels, Synchronization, Coding 01384
Televisions, Storage, Pulse code modulation, Quantization, Error 01599
Televisions, Telephones, Receivers, Transmission 09403
Three dimensionality, Displays, Scanners, Diagnostics, Radiology 00510
Topography, Mapping, Astronomy, Extraterrestrial bodies 02230
Topography, Mapping, Remote sensing, Satellite communications, Cameras 02220
Transmission, Resolution, Quality control 09566
Tuning, Quartz, Gunn oscillators, Waveguides 05533
Ultrasonics, Cardiovascular system, Modeling, Smoothing, Automation 05306
Ultrasonics, Filters, Computer aided analysis 03665
Ultrasonics, Reflection, Biomedical engineering, Speckle, Dissertation 00356
Ultrasonics, Transducers, Scanning, Biomedical engineering 00514
Underwater technology, Navigation, Remote sensing, Marine technology 08730
Video systems, Optical disks, Oscillation, Laser diodes 00964
Video systems, Teleconferencing, Data compression, Displays, Transmission lines 06159
Videotex, Communication networks, Data communications, Protocols 01316

Image processing, (continued)
Vision, Medical electronics, Eyeball torsional movement 005
Vision, Noise, Filtering, Inspection, Automation 031
Vision, Radiometry, Mapping, Sensitivity, Error 039
Vision, Sensitivity, Diagnostics, Psychophysiology, Radiology 053
Vision, Signal processing, Structural analysis 089
Waveforms, Reconstruction, Coding, Radar 047
Wavefronts, Phase shifts, Mixing, Light scattering 008
Waveguides. Couplers, Millimeter waves, Transmission 091
Waveguides, Diffraction gratings, Dielectric constants, Filters 037
Waveguides, Striplines, Microwaves, Production planning 026
Wavelengths, Displays, Scanning, Acoustics, Transducers 019
X-ray radiation, Fluorescence, Ultrasonics 021
X-rays, Inspection, Computed tomography, Industry, Materials testing 039
X-rays, Microscopy, Diffraction, Fresnel zone plates 089
X-rays, Nondestructive testing, Statistical analysis 067
X-rays, Televisions 067
Imaging,
Acoustic emissions, Holography 051
Biomedical engineering, Brain, Magnetic fields 053
Computed tomography, Radiation dosimetry, Absorption, Technology 021
Computed tomography, Technology, Radiation dosimetry, Cameras 021
Detectors, Technology, Cherenkov detectors 051
Diagnostics, Nuclear medicine 005
Diffraction tomography, Seismology, Mapping 025
Electromagnetic fields, Dielectrics 080
Feedback, Signals, Accomodation, Eyes 021
Geology, Data collection, Remote sensing, Spectral analysis, Dissertation 053
Holography, Tomography, Resolution, Noise 084
Hospitals, Radiation dosimetry, Monitoring methods, Surveys 021
Image intensifiers, Veiling glare, Measurement 025
Lasers, Radar, Modeling 078
Local area networks, Integrated systems, Packet switching, Speech transmission 014
Medical electronics, Radiology 021
Medicine, Radiation Detectors, Masks, Fabrication 068
Military aircraft, Cathode ray tubes, Displays, Illumination 069
Nuclear medicine, Scintillation Cameras, Resolution, Simulation 053
Optics, Transfer functions, Standards 025
Pattern recognition, Biomedical engineering, Mathematical models 052
Pattern recognition, Template detectors 057
Photoconductivity, Gating, Modeling 055
Photodiodes, Scintillation, Detectors, Resolution 055
Polyvinylidene fluoride, Acoustics, Transducers, Dissertation 010
Radar, Agriculture, SEASAT 095
Radiology, Quality control, Signal to noise ratio 021
Remote sensing, Quality control, Data collection, Landsat-4 053
Scintillation, Gain, Resolution, Noise, Detectors 051
Semiconductors, Masks, Fabrication, Lithography 076
Sensors, Performance, Vidicons 051
Transducers, Microelectronics, Computed tomography, Acoustics 050
Transforms, Coding, Modeling 056
Tumors, Clinical medicine, Medical electronics 053
Ultrasonics, Biomedical engineering, Cardiovascular system, Ventricular volume 052
Ultrasonics, Reflection 084
Waveguides, Magnetic fields, Electric fields 074
Impact testing,
Plates, Damping, Viscosity, Acoustic emissions, Composite materials 0351
Pressure measurement, Dielectrics, Sensors 010
IMPATT diodes,
Avalanche, Oscillators, Current density, Thermal variables measurement 072
Bias, Voltage, Measurement 059
Circuitry, Oscillators, Dynamics 0881
Computer aided analysis, Current, Charge carriers, Gallium arsenide 0437
Gain, Carrier waves, Wave propagation 011
Gallium arsenide, Doping, Optimization 059
Gallium arsenide, Millimeter waves, Transport properties, Monte Carlo method 0437
Gallium arsenide, Molecular beam epitaxy, Millimeter waves, Oscillation 0437
Millimeter waves, Oscillators, Pulse generation, Dissertation 006
Noise, Modulation, Switches, Radar 0754
Oscillators, Fabrication, Gallium arsenide, Packaged components 091
Oscillators, Noise, Gallium arsenide, Doping 0437
Semiconductors, Heterojunctions, Millimeter waves 0590
Silicon, Current voltage, Breakdown 0919
Traveling wave tubes, Amplifiers, Satellite communications, Data transmission 0068
Tuning, Carrier waves, Thermal variables control, Packaged components 0112
Impedance,
Accelerators, Electron beams, Generators, Diodes 0689
Acoustic waves, Diffraction, Scattering, Dissertation 0847
Acoustics, Scattering, Pressure, Dissertation, Cylinders 0848
Alternators, Finite element method, Magnetic fields, Eddy current 0667
Amplifiers, Circuitry, Error, Frequency, Design 0068
Amplifiers, Inductance, Frequency, Performance 0842
Antennae, Direction finding systems, Systems design 0453
Antennae, Fabrication, Calibration 0649
Antennae, Receivers, Electromagnetic waves, Amplifiers 0650
Antennae, Voltage, Reflection 0485
Argon, Plasmas, Probes, Magnetohydrodynamics 0664
Baluns, Conversion 0347
Bandwidths, Frequency, Cylindrical antennae, Radios, Dissertation 0325
Biomedical engineering, Microwaves, Doppler shift, Radar 0153
Capacitance, Frequency, Resonance, Dissertation 0508
Circuitry, Fault detection, Voltage, Equivalence, Numerical analysis 0066
Circuitry, Resistance, Computer aided design, Two-terminal devices 0241
Circuitry, Transmission lines, Coupling 0806
Circuitry, Waveguides, Scattering, Electromagnetics 0801
Cobalt, Electrodes, Acetate, Concentration 0725

dance, (continued)
nmunication networks, Admittance, Circuitry, Transmission lines ... 04778
nmunication networks, Telephones, Echo suppression, Circuitry ... 07848
mputer aided analysis, Mathematical models, Inductance, Transmission lines ... 04267
uplers, Microstrip lines, Computer aided design ... 02638
rrent, Bandpass filters, Resistors, Configuration ... 00658
rrent, Radiation, Antennae, Numerical analysis, Microstrip antennae ... 06482
indrical antennae, Dipole antennae, Integral equations, Current ... 08126
ects, Detection, Electric fields, Solenoids ... 08447
electrics, Coaxial cables, Resonators, Microelectronics ... 00050
des, Oscillators, Loading, Nonlinearity ... 02443
ole antennae, Power, Radiation ... 08122
oole antennae, Radiation ... 01657
oole antennae, Receivers, Voltage ... 08112
ooles, Antennae, Scattering ... 08104
dy current, Magnetic fields, Nondestructive testing, Probes ... 06751
dy current, Modeling, Finite element method ... 07521
dy current, Signal processing, Nondestructive testing, Dissertation ... 01915
ectric fields, Integral equations, Current density, Backscattering ... 08105
ectric power transmission, Grounding, Standards ... 01922
ectrical power transmission, Current voltage, Modeling, Dissertation ... 01930
ectrical resistance, Commutation, Power systems, Bridges, Inductance ... 03310
ectromagnetic waves, Grounding, Induction, Coatings ... 04823
ectromagnetics, Scattering, Transmission lines, Dissertation ... 08006
ters, Capacitors, Switching ... 07247
nite element method, Finite difference method, Eddy current, Magnetic fields ... 06762
equency, Dielectric permittivity, Electrical conductivity, Bones ... 07014
equency, Silicon, Transistors ... 02730
el cells, Charge ... 03322
llium arsenide, Field effect transistors, Frequency, Circuitry ... 08071
ounding, Electrodes, Current, Injection ... 08360
rotrons, Couplers, Waveguides ... 03466
midity, Sensors, Stability, Corrosion, Circuitry ... 02663
droelectric power generation, Frequency, Scanning, Simulation, Measurement ... 04963
rared, Cameras, Amplifiers, Detectors, Cryogenics ... 01907
near antennae, Circuitry, Power, Algorithms ... 06486
arine engineering, Microwaves, Transistors, Radar ... 04725
athematical models, Cytology, Neurology, Electric variables measurement ... 05334
easurement, Aluminum, Corrosion, Electrochemical reactions ... 03336
easurement, Lithium, Primary cells ... 03331
ercury, Electrodes, Frequency, Capacitance ... 03472
stal oxide semiconductors, Amplifiers, Voltage, Gain, CMOS ... 03847
crostrips, Frequency, Dielectrics, Millimeter waves, Numerical analysis ... 09100
crowave devices, Measurement, Signal processing ... 00045
crowaves, Aluminum, Superconductors, Microstrips ... 05797
crowaves, Circuitry, Design, Numerical analysis ... 06475
crowaves, Mixers, Superconductivity ... 03874
odeling, Plasmas, Erosion, Switches, Current voltage ... 06629
odeling, Transmission lines, Circuitry, Current voltage, Simulation ... 03308
otors, Current voltage, Protection, Cables, Capacitors ... 08143
etworks, Power, Ports, Circuitry ... 08784
ckel, Cadmium, Cells, Charge, Frequency ... 08304
ckel, Cadmium, Cells, Degradation ... 06655
umerical analysis, Charge carriers, Electrical resistance ... 01926
ptical devices, Integrated circuits, Waveguides, Dissertation ... 01053
ptimization, Simulation, Communication networks, Filters, Amplifiers ... 00648
arameter estimation, Frequency, Medical electronics, Respiratory system ... 08641
article detectors, Signals, Crosstalk, Capacitance ... 06890
hase shifts, Capacitors, Velocity, Voltage, Circuitry ... 07181
asmas, Propulsion, Ignition, Semiconductors, Spark gaps, Pulse generation ... 02111
imary cells, Open circuit voltage, Charge ... 03339
ulse generation, Simulation, Frequency, Matching ... 08829
adio frequency, Superconductivity, Bias, Tuning ... 04121
adiometers, Optical communications, Detection, Noise, Amplifiers ... 01320
elays, Design, Protection, Busbars ... 06603
elays, Mainframes, Electric power transmission, Simulation ... 06621
esistance, Grounding, Current, Measurement errors ... 00096
esistance, Measurement ... 00294
esistivity, Reluctance machines, Rotors, Density ... 01678
espiratory system, Measurement, Error, Signal processing, Statistical analysis ... 07012
attering, Arrays, Electromagnetics, Computer programs, Dissertation ... 01605
attering, Diffraction, Wave propagation ... 01611
hottky diodes, Calibration, Detectors, Microwaves, Networks ... 06069
ensors, Nuclear reactors, Two phase flow, Measurement, Velocity ... 00190
unt reactors, Frequency fluctuation, Capacitance bridges ... 01929
icon, Contacts, Electrical resistance, Performance ... 09304
ectral analysis, Insulators, Conductors, Explosions, Discharges, Ultraviolet ... 01909
nchronous machines, Armatures, Coil winding machines, Modeling ... 06507
nchronous machines, Frequency, Short circuits, Velocity, Systems analysis ... 01676
elephones, Circuitry, Signal processing, Dissertation ... 04645
elevisions, Receivers, Antennae, Voltage, Interference ... 08094
ermal variables measurement, Electric variables measurement, Glow discharge ... 02621
yristors, Control systems, Inductance, Motors ... 06539
ansducers, Magnetic variables measurement, Instrumentation, Reliability ... 05831
ansducers, Polyvinylidene fluoride, Computer aided analysis ... 02655
ansformers, Design, Networks ... 01090
ansformers, Power systems, Insulators, Interference ... 01916
ansmission lines, Cables, Coupling, Frequency ... 07478
ansmission lines, Capacitance, Microstrips, Numerical analysis ... 09102
ansmission lines, Conductors, Capacitance ... 03465
ansmission lines, Cross sectional control, Electric variables control ... 04306
ansmission lines, Fault detection, Relays, Filters, Algorithms ... 01731
ansmission lines, Fourier transforms, Numerical analysis ... 07470
ansmission lines, Modeling, Attenuation, Programming languages ... 07468
ansmission lines, Pulse generation, Switching, Power systems ... 09104
ansmission lines, Traveling waves, Surges, Lightning ... 01722

Impedance, (continued)
Velocity, Microscopy, Acoustics, Beam propagation ... 03502
Wave propagation, Tilt measurement, Electromagnetic waves, Trapping ... 01620
Waveguides, Conductors, Transmission lines ... 00707
Waveguides, Electric fields, Green functions ... 06474
Waveguides, Phase shifts, Dielectrics, Computer aided design ... 07490
Waveguides, Reflection, Electromagnetics ... 08024
Waveguides, Semiconductors, Frequency, Attenuation, Simulation ... 04312
Waveguides, Theoretical analysis ... 09118
Waveguides, Transmission lines, Tuning ... 09092

Incompressible flow,
Drag, Conductivity, Magnetohydrodynamics ... 00168
Magnetohydrodynamics, Conductivity, Viscosity, Drag ... 00169
Rotating bodies, Magnetohydrodynamics, Hydrodynamics ... 00159
Rotating bodies, Magnetohydrodynamics, Viscous flow, Velocity, Boundary layers ... 01791

India,
Satellite communications, Telemetry, Remote sensing, Systems design ... 04598
Telecommunications, Radio communications, Signal transmission ... 01284

Indium,
Atoms, Metastability, Lasers, Emissions, Raman effect ... 05750
Bridges, Current, Noise, Thickness measurement, Dissertation ... 09060
Bridges, Josephson effect, Charge, Circuitry ... 05804
Bridges, Voltage, Superconductivity, Dissertation ... 01025
Doping, Cadmium sulfide, Heterojunctions, Solar cells ... 02505
Doping, Cadmium sulfide, Solar cells, Open circuit voltage, Short circuits ... 03335
Ultrasonics, Acoustic emissions, Velocity, Pulse generation, Wave propagation ... 01969

Indium antimonide,
Dielectrics, Waveguides, Four wave mixing, Cross sectional measurement ... 09107
Electromagnetic waves, Acoustics, Piezoelectricity, Plasmas ... 04824
Emissions, Tuning, Far infrared ... 09201
Infrared, Crystal growth, Detectors, Vacuum technology ... 01908
Metal oxide semiconductors, Auger electron spectroscopy, Films, Interfaces ... 05918
Metal oxide semiconductors, Capacitance voltage, Interfaces ... 05950
Microwaves, Wave propagation, Plasmas, Transport properties ... 03231
Pn junctions, Current voltage, Beryllium, Ion implantation, Logic circuits ... 08414

Indium gallium arsenide,
Epitaxial growth, Ohmic contacts, Field effect transistors ... 09251
Field effect transistors, Molecular beam epitaxy, Ion implantation, Beryllium ... 01192
MISFET, Transistors, Transconductance, Current voltage ... 05073
Transmission, Photodetectors, Transmitters, Receivers ... 09370

Indium phosphide,
Charge coupled devices, Logic circuits, Integrated circuits, Semiconductors ... 01267
Diodes, Charge carriers, Electric fields, Computer aided analysis ... 05895
Diodes, Current voltage, Photoelectric effect, Au/n-InP:Fe ... 07546
Doping, Iron, Photoconductivity, Electric fields, Recombination ... 03923
Doping, Iron, Photoconductors, Dye lasers, Excitation ... 03922
Electrons, Injection, Electric fields, Drift velocity ... 05896
Electrooptics, Switching, Dissertation ... 00837
Field effect transistors, Current voltage, Channels ... 01207
Gunn effect, Oscillators, Amplifiers, Optimization, Millimeter waves ... 05531
Integrated circuits, Millimeter waves, Receivers, Packaged components ... 08080
MESFET, Transistors, Transconductance ... 07592
Metal insulator semiconductors, Field effect transistors, Logic circuits ... 01226
Metal oxide semiconductors, Diodes, Vapor phase epitaxy ... 01134
Microstrips, Millimeter waves, Research and development, Passive components ... 04830
MISFET, Carrier mobility, Capacitance voltage, Aluminum oxide, Insulators ... 05567
MISFET, Fabrication, Capacitance voltage ... 09243
MISFET, Tunneling, Injection, Capacitance voltage ... 05949
MOSFET, Transistors, Insulators, Channels, Transport properties ... 07598
Pn junctions, Diodes, Fabrication, Ion bombardment, Epitaxial growth ... 07549
Schottky diodes, Photoelectric effect, Electron density ... 07555
Semiconductor lasers, Fabrication, Deuterons, Ion bombardment, InP/InGaAsP ... 07375
Trapping, Metal insulator semiconductors, Field effect transistors ... 01229

Indium selenide,
Crystal growth, Electrooptics, X-rays, Diffraction, Crystal structure ... 02542

Indium telluride,
Schottky barriers, Ohmic contacts, Structural analysis ... 01144

Indium tin oxide,
Thin films, Film growth, Evaporation, Optics, Photodevices ... 02517

Inductance,
Amplifiers, Impedance, Frequency, Performance ... 08424
Asynchronous machines, Inverters, Capacitors ... 00119
Bridges, Impedance, Electrical resistance, Commutation, Power systems ... 03310
Circuit breakers, Arcs, Thermal variables measurement, Voltage ... 00106
Circuitry, Voltage, Amplifiers, Supercapacitors ... 02423
Conductors, Voltage, Electromagnetic fields, Transmission lines ... 00714
Converters, Magnetization, Transformers, Voltage ... 07528
Dissipation, Switching, Snubber circuits, Thyristors, Logic circuits ... 00122
Filters, Theorem proving ... 07119
Impedance, Thyristors, Control systems, Motors ... 06539
Inverters, Design, Harmonics, Current ... 08835
Machinery, Synchronization, Finite element method, Magnetic fields ... 06508
Magnetic fields, Circuitry, Magnetization, Perturbation, Numerical analysis ... 05094
Pulse generation, Current, Discharges, Waveforms ... 03865
Semiconductors, Capacitors, Current voltage, Integrated circuits ... 02703
Signal converters, Transformers, Superconductors, Couplers ... 04268
Switches, Capacitors, Filters, Voltage, Inverters ... 07140
Thyristors, Switching, Pulse generation, Modulators ... 07211
Transmission lines, Josephson junctions, Mathematical models ... 04267
Voltage, Oscillation, Superconductors, Niobium, Titanium ... 04160

Induction,
Heating, Melting, Thyristors, Inverters ... 08224
Magnetic fields, Circuitry, Electrical sheets ... 08455
Magnetic fields, Electrons, Arcs, Plasmas ... 08055

Induction generators,
Excitation, Capacitors, Performance, Circuitry, Computer aided analysis ... 08177

Induction machines,
Choppers, Voltage, Integrated circuits, Commutation, Rotating bodies 03276
Circuitry, Modeling, Electrostatics, Dissipation 03296
Electrostatics, Circuitry, Energy conversion 03262
Flux, Magnetic fields, Modeling, Signal processing, Damping 03264
Synchronous machines, Direct current machines, Electric variables control 03266
Induction motors,
Bridges, Thyristors, Commutation, Converters 04885
Circuitry, Parameter estimation, Torque, Modeling 03279
Circuitry, Rotors 03284
Compressors, Electric variables control, Mechanical variables control 03289
Control systems, Inverters, Current voltage, Frequency 06513
Control systems, Power systems, Frequency 08162
Control theory, Power systems, Velocity, Simulation 04867
Current, Vibration 08166
Current voltage, Inverters, Electric fields 06538
Design, Optimization 01691
Design, Optimization 06541
Drives, Braking, Injection 06533
Drives, Electric variables control, Microprocessors 06528
Drives, Inverters, Frequency, Control systems, Costs 08157
Drives, Power supply, Current voltage, Modulation 08151
Drives, Torque, Frequency, Inverters 08158
Drives, Velocity control 03277
Electromagnetics, Finite element method, Current voltage, Rotors, Saturation 06517
Energy conversion, Wind energy, Turbines, Capacitors, Thyristors 01711
Feedback, Control systems, Modeling, Current 03273
Flux, Signal processing, Voltage, Current, Inverters 01713
Inverters, Pulse generation, Bridges, Thyristors 06515
Inverters, Torque control, Velocity 03271
Levitation, Oscillators, Welding 00694
Modeling, Performance, Testing, Wanlass configuration 04880
Modeling, Stators, Airgap 03283
Motors, Starters, Control systems, Voltage, Energy conservation 06536
Oscillation, Control systems 01698
Paper industry, Machinery, Control systems, Economics, Maintenance 03287
Performance, Energy conservation 03272
Power supply, Stators, Voltage, Control systems, Rectifiers 00073
Power systems, Energy conservation 01687
Power systems, Optimization, Capacitors, Voltage, Transformers 08357
Thermal insulation, Electric variables control 08146
Torque, Energy conservation, Economics 03280
Voltage, Control systems, Thyristors 08155
Voltage, Electric power transmission, Theoretical analysis 08147
Voltage, Energy conservation, Systems design, Optimization 01697
Voltage, Frequency, Electric variables control 03282
Voltage, Frequency measurement 08153
Voltage, Resistors, Transformers 08160
Winding, Voltage, Current 06534
Inductors,
Capacitors, Transistors, Switches, Inverters, Amplifiers 07196
Circuitry, Superconductivity, Circuit breakers, Current voltage 04289
Circuitry, Voltage, Resistors, Diodes, Simulation 07184
Logic circuits, Josephson junctions, Injection, Current, Switching 04082
Networks, Filters, Circuitry, Resistors, Capacitors 08797
Industrial processes,
Controllers, Automation, Microprocessors 06936
Process control, Programmable controllers, Sugar refineries 06926
Industrial waste disposal,
Chemical variables measurement, Oil, Insulators, Transformers 01739
Cogeneration, Electric power transmission, Protection, Waste heat 03299
Electric furnaces, Radioactive materials handling, Melting 02623
Lubricants, Cleaning, Transformers 01769
Oil, Chemical variables measurement, Transformers 01737
Recycling, Polymers, Cables, Process development 01728
Industry,
Artificial intelligence, Vision, Machine vision systems 03990
Automation, Programmable controllers, Local area networks 08548
Electric power apparatus, Circuit breakers, Maintenance, Statistical analysis 08228
Electric power generation, Loading, Modeling, Numerical analysis 05012
Fiber optics, Data transmission, Sensors, Circuitry, Military 04552
Fiber optics, Research and development, State of the art 07713
Fiber optics, Sensors, Communication networks, Technology 04340
Image processing, X-rays, Inspection, Computed tomography, Materials testing 03999
Lasers, Gases, Research and development, Quality control, Performance 05764
Lasers, Quality control, Materials testing, Process development, Inspection 05790
Lasers, Research and development, Laboratories, Combustion, Gases 05784
Lasers, Sheet metalworking, Economics, Japan, Research and development 04049
Lasers, Technology, Surface properties, Heat treatment, Metals 04050
Lasers, Training, Personnel, Education, Research and development 05789
Manufacturing, Automation, Robots, Numerical control 03882
Power systems, Planning, Power supply, Reliability 08367
Robots, Artificial intelligence, Government aid, Research and development 03597
Robots, Marketing, Finance, Resource management, Manufacturing 05191
Robots, Reliability, Structural analysis, Mechanical handling 05187
Robots, Safety systems, Accidents 03580
Robots, Safety systems, United Kingdom, Technology 03579
Robots, Vision, Sensors, Technology, Research and development 05185
United Kingdom, Technological forecasting, Welding, Robots 03577
Vision, Inspection, Pattern recognition, AUTOVISION II 00410
Information dissemination,
Satellite communications, Coding, Time measurement, Signal processing 03650
Information processing,
Air traffic control, Guidance and control systems, Radios, Tracking 00472
Circuitry, Fault detection, Testing, Economics, Boundary value problems 00674
Distributed systems, Communication networks, Modeling, Protocols, Dissertation 06013
Information processing, (continued)
Electric power distribution, Computer aided control, Data collection 0338
Flow, Telecommunications, Privacy, Protection, Economics 0302
Fourier transforms, Holography, Image processing, Illumination, Dissertation 0403
Geology, Mapping, Data structure, Feature analysis 0225
Local area networks, Data communications, Workstations, Word processing 0301
Mapping, Spectral analysis, Scanning, Testing 0535
Mathematical models, Neurophysiology, Signal processing, Delay, Feedback 0533
Optical character recognition, Computer graphics, Standards 0568
Optical communications, Color, Encoding, Systems analysis 0732
Optical communications, Noise, Parallel processing, Electronic equipment 0770
Personal computers, Technological forecasting, Systems design 0621
Publishing, Electronic equipment, Economics, Europe 0623
Records management, Software development, Channels, Dog tags 0528
Resource management, Remote sensing, Technology transfer, Landsat 0218
Spacecraft, Telemetry, Time measurement, Atmosphere 0869
Striate cortex, Neurons, Organization, Functional morphology, Cats 0532
Technological forecasting, Education, Training, Computer aided design 0540
Telecommunications, Government policies, Economics 0128
Telecommunications, Technology, Planning, Research and development, Europe 0708
Telecommunications, Technology, Research and development 0300
Typography, Office automation, Management, Output, Printers 0708
Videotext, Telecommunications, Technology, Systems analysis 0293
Vision, Time measurement, Color, Sociology, Dissertation 0399
Information retrieval,
Banking, Automation, File management, Documentation 0374
Banking, Records management, Storage, Security, United Virginia Bank 0871
Communication networks, Fiber optics, EPCOT Center 0773
Communication networks, Office automation, Speech synthesis, Text editing 0781
Computer aided analysis, Military engineering, Technological forecasting 0049
Computer aided analysis, Records management, Computer output microfiche 0229
Cost benefit analysis, Optical storage, Lasers, Disks 0089
Data bases, Coding, Boundary value problems, Image processing, Reconstruction 0637
Eddy current, Computer programs, Search strategies, Research and development 0345
Electronic mail, Speech transmission, Data transmission, Integrated systems 0622
Fiber optics, Communications, Stability 0937
Man machine interactions, Process control, Management science 0287
Mechanical handling, Process control, Mail handling 0231
Navigation, Harbor installations, Control systems 0309
Optical storage, Magnetic storage, Technological forecasting, Recording systems 0060
Optical storage, Videodisks, Office automation 0292
Performance, Electric power generation, Data collection 0014
Personnel, Data processing, Records management, Automation, Micrographics 0256
Programming languages, Robots, Storage, Data structure, Graphs 0857
Publishing, Electronic equipment, Europe 0623
Records management, Economics, Micrographics, Storage 0089
Records management, Magnetic storage, Parts shipping 0103
Remote sensing, Instrumentation, Radiation, Electromagnetics, Measurement 0218
Robots, Sociology, Economics, Library science, Data bases 0357
Routing, Office automation, Data transmission, Microcomputers 0140
Semiconductors, Data bases, Resource management 0589
Storage, Artificial intelligence, Genetics, Image processing 0398
Storage, Reliability, Micrographics, Office automation 0710
Videotex, Consumer electronics, Dissertation, Electronic newspapers 0942
Videotex, Privacy, Standards, Access, Research and development 0137
Information science,
Acoustic emissions, Specifications, Standards 0034
Capacitors, Research and development 0073
Information services,
Communication networks, Teleports, Economics, Management 0298
Communication networks, Transmission lines, Frequency, Terminals 0635
Education, Televisions, Broadcasting, Dissertation, Universities 0778
Fiber optics, Local area networks, Logic, Integrated systems 0291
Micrographics, Electronic equipment, Image processing, Integrated systems 0132
Radio communications, Developing countries, Nicaragua, Research and development 0452
Satellite communications, Economics, Maintenance, Rural areas 0779
Telephones, Online systems, Electronic mail, Videotex, Research and development 0626
Televisions, Broadcasting 0778
Information systems,
Business, Data processing, Communication networks, Computer aided manufacturing 0298
Classification, Remote sensing 0703
Communication networks, Systems design, Optimization, Circuitry 0142
Computer graphics, Displays, Power plants, Coal, Cathode ray tubes 0331
Cybernetics, Biology, Diagnostics, Parameter estimation, Data collection 0530
Electronic mail, Flow, Postal service, Telecommunications 0301
Geography, Raster displays, Data structure, Mapping, Resource management 0221
Health care, Data processing, Electronic equipment, Printers, Online systems 0530
Image processing, Optics, Computer aided control, Kodak 0615
Image processing, Software development, Data bases, Storage, File management 05725
Mapping, Image processing, Remote sensing, Resource management 02245
Mapping, Raster displays, Computer graphics, Interactive systems, Geography 02237
Micrographics, Office automation, Technology 05426
Office automation, Privacy, Diary facility 05407
Pattern recognition, Videotex, Telecommunications, Research and development 06126
Remote sensing, Resource management, Geography, Alaska, Lakes 03689
Remote sensing, Resource management, Satellite communications, Data bases 02212
Technology, Office automation 02995
Telecommunications, Data bases, Research and development 01416
Urban planning, Environmental protection, Data bases, Mapping 02193
Videotex, Alphanumerics, Displays, Televisions, Dissertation 01379
Videotex, Data transmission, Traffic, Modeling, Customer services 06124
Information theory,
Channels, Transmission, Noise, Parameter estimation 07925
Infrared,
Astronomy, Cosmic rays, Detectors 00576
Backscattering, Electron beams, Plasmas, Lasers 00032

red, (continued)
eatings, Film growth, Kalman filters, Signal processing 07896
op processing and storage, Remote sensing, Spectral analysis 00547
rrent density, Aluminum, Radiative transfer, Films, Anodes 01903
etectors, Glass, Cryostats, Thermal variables measurement 01905
etectors, Image processing, Pattern recognition, Weapons 06988
etectors, Lasers, Electromagnetics, Coupling 07366
etectors, Lead telluride, Schottky diodes, Thermal variables measurement 04384
etectors, Photoconductivity, Crystal growth 02489
etectors, Semiconductor lasers, Photodiodes, Dissertation, InGaAsP/InP 02595
etectors, Sensors, Research and development, Heat transfer, Buildings 03450
etectors, Thin films, Bolometers, Thermal conductivity 05051
odes, Transmitters, Modulation, Electrooptics, Gallium arsenide 08919
ve lasers, Tuning, Pulse generation, Stability 09023
ectromagnetic fields, Photodevices, Detectors, Radiation 00275
ipsometry, Photometry, Fourier transforms, Spectrometers, Retarders 08407
nissions, Schottky diodes, Leakage current, Thermal variables measurement 07552
abry Perot interferometers, Computer aided control, Astronomy 00276
ters, Diffraction gratings, Lasers, Couplers 06469
ters, Polyethylene, Polarization, Fabrication 01906
our wave mixing, Storage, Frequency, BDN dye 07407
eat treatment, Furnaces, Films, Solar cells 05633
dium antimonide, Crystal growth, Detectors, Vacuum technology 01908
asers, Communications, Scintillation, Statistical analysis 09052
asers, Optical systems, Design, Distance measurement 00991
asers, Pumping, Radio waves, Waveguides 08405
asers, Tuning, Fluorescence, Potassium bromide, Potassium chloride 08986
enses, Scanning, Interferometers, Optics 00875
ght transmission, Coatings, Energy loss, Waveguides 02650
apping, Satellites, Communications, Aerospace engineering, Military 05280
illimeter waves, Plasmas, Ions, Resonators, Lasers 01007
issiles, Image processing, Guidance and control systems, Electrooptics 00274
ceanography, Remote sensing, Plumes, Thermal variables measurement, Scanners 03445
ptics, Gas lasers, Surface properties, Materials testing 09026
ptometers, Refraction, Eyes, Feedback 02156
hotodetectors, Coatings, Thickness measurement, Gauges 05668
hotodetectors, Photoemission, Heterojunctions 01902
hotodevices, Radiometers, Optics, Visible range 05720
hotodiodes, Charge coupled devices, Multiplexing, Mathematical models 07262
hotoionization, Detectors, Hydrocarbon processing 00277
hotometry, Filters, Mirrors 08924
ower supply, Pumping, Lasers, Switching 00912
adiation, Detectors, Pyroelectricity, Radiometers 06738
adio astronomy, Radio frequency, Pulse generation, Electromagnetic waves 00279
adiometers, Computer aided analysis, Atmospheric conditions, Oceanography 03447
adiometry, Multiplexing, Energy bands, Signal processing, Lasers, Dissertation 00930
eflectance, Spectroscopy, Reinforced plastics, Radiation 01937
eflection, Filters, Design, Optics 00278
eflection, Silicon, Photoconverters, Titanium, Films 00214
efractive indices, Radio frequency 01630
emote sensing, Hydrodynamics, Oceanography, Thermal variables measurement 04713
emote sensing, Mapping, Irrigation, Electrooptics, Scanning 03449
emote sensing, Oceanography, Thermal variables measurement, Hydrodynamics 03446
emote sensing, Radiometers, Visible range, Topography, Reflectance 03437
atellites, Meteorology, Image processing, Telemetry, Digitizing, Calibration 03710
atellites, Thermal variables measurement, Image processing, Oceanography 03448
emiconductors, Absorption, Electron density 01156
ensors, Pressure measurement, Thermal variables control 03451
ensors, Thermal variables measurement, Instrumentation 09068
pectral analysis, Energy bands, Lasers, Pumping 00946
pectral analysis, Radiometers, Telescopes, Satellites 05040
pectral analysis, Solids, Pressure, Thermal conductivity, Refractive indices 05050
pectroscopy, Lasers, Heterodyne reception, Atmospheric conditions 08438
elescopes, Photometry, Astronomy, Satellites, IRAS 07076
hermal variables measurement, Absorption, Spectral analysis, Doppler shift 03481
hermal variables measurement, Bolometers, Germanium, Circuitry 01901
/aveguides, Lasers, Pumping, Radio waves 08967
ction,
harge carriers, MOSFET, Field effect transistors, Channels, Surface states 05971
harge carriers, Pin diodes, Current voltage, Lifetimes, Recombination 07541
harge carriers, Polyethylene, Oxidation, Electrical conductivity 05148
harge carriers, Schottky diodes, Current voltage, Thermionic emissions 07557
harge carriers, Transistors, Electrodes, Heterojunctions 07569
ircuit breakers, Voltage, Testing 08226
urrent, Grounding, Electrodes, Impedance 08360
urrent, Josephson junctions, Logic circuits, Inductors, Switching 04082
urrent voltage, Josephson junctions, Logic circuits, Signal converters 04078
rives, Induction motors, Braking 06533
ye lasers, Pumping, Resonators, Wavelengths 09020
lectrons, Indium phosphide, Electric fields, Drift velocity 05896
lectrons, MOSFET, Degradation, Thermal variables measurement 05970
lectrons, MOSFET, Transistors, Degradation, Channels 05982
lectrons, Polyethylene terephthalate, Electroluminescence, Voltage 05683
requency, Stability, Semiconductor lasers 02593
as lasers, Carbon dioxide, Electric variables control, Mathematical models 07391
as lasers, Resonators, Tuning, Frequency 09010
ndium phosphide, MISFET, Tunneling, Capacitance voltage 05949
asers, Aluminum gallium arsenide, Oscillation, Relaxation, Modulation 04014
asers, Current, Leak detection, Stripe geometry 08995
asers, Frequency, Stability, Switching, Temperature 07339
asers, Noise, Spectral analysis, Optical analysis 07350
asers, Refractive indices, Waveguides, Temperature, Stability 04007
asers, Semiconductor lasers, Carrier concentration, Power, Index guides 07386
INOS, Transistors, Silicon nitride, Contacts, Degradation 05932
lodulation, Optimization, Transistors, Magnetic fields 05922
eodymium, YAG lasers, Tuning, Stability 07378

Injection, (continued)
Oscillators, Current, Ports, Locking, Harmonics 03860
Oscillators, Noise, Microwaves 06471
Point contact junctions, Insulators, Current voltage, Ohm law 08848
Semiconductor lasers, Electrooptics, Coupling, Tuning 00961
Semiconductor lasers, Molecular beam epitaxy, Current density, Quantum wells 07388
Semiconductor lasers, Pulse generation, Kinematics, Recombination 07381
Semiconductors, Numerical analysis 04367
Silicon, Solar cells, Current voltage, Junctions 05643
Silicon, Solar cells, Dislocations, Illumination, Short circuits 05639
Silicon, Tunnel junctions, Metal insulator semiconductors, Dissertation 07577
Solar cells, Performance, Photodevices 08882
Striplines, Charge carriers, Semiconductor lasers 00956
Voltage, Polarity, Space charge, Light, Emissions 08215
Waveguides, Heterostructures, Semiconductor lasers 04320
Injection lasers,
Circuitry, Design, Semiconductor lasers, Modulation, Communications 07390
Fiber optics, Communications, Silicon dioxide, InP/InGaAsP 07757
Heterostructure lasers, Performance, InGaAsP 09005
Mode selection, Cavities, Resonators 08961
Modes, Statistical analysis 05740
Modulation, Structural analysis, Degradation 05739
Switching, Frequency, Oscillation 07369
Input,
Algorithms, Convergence, Filters, Transformations, Autoregressive analysis 07129
Error, Signals, Feedback, Jump-resonance response 07121
Field effect transistors, Amplifiers, Switching, Bipolar devices 02431
Filters, Feedback, Amplifiers, Embedding, Circuitry 00634
Filters, Frequency, Integrated circuits, Architecture 07113
Filters, Metal oxide semiconductors, Oscillators, Programming, Control systems 05528
Inverters, Logic circuits, Gates, Sequences, Signal processing 04093
Microcomputers, Coding, Interfaces 07093
Optimization, Probability, Fault detection, Circuitry 01254
Input devices,
Circuitry, Output devices, Optics, Microcomputers, Interfaces 00597
Output devices, Instrumentation, Measurement, Tape punches 00596
Output devices, Recording systems, Printers, Signal processing, Microcomputers 00599
Input output,
Algorithms, Controllers, Prediction, Self-tuning systems, Parameter estimation 05192
Algorithms, Parameter estimation, Microprocessors, Capacitance, Measurement 06777
Analog to digital converters, Memory, Algorithms, Software development 05709
Controllers, Tracking, Problem solving, Integration, Actuators 06934
Converters, Current voltage, Modeling, Circuitry, Dissertation 05546
Data processing, Equipment, Research and development 07809
Design, Circuitry, Speech transmission 01487
Fault detection, Simulation, Combinational circuits, Integrated circuits 06056
Filters, Circuitry, Resonators, Approximations, Coupling 00653
Filters, Design, Optimization, Recursion, Structural analysis 02375
Image processing, Sequences, Vectors, Stability, Recursion 00865
Integrated circuits, Microcomputers, Memory, Measurement 06053
Logic circuits, Arrays, Field effect transistors, Buffers 07639
Logic circuits, Arrays, Metal oxide semiconductors, Decomposition, Dissertation 04457
Machining centers, Production control, Modular design, Process control 00447
Man machine interactions, Speech synthesis, Communications 06207
Matrices, Transfer functions, Filters, Error, Dissertation 05437
Metal oxide semiconductors, Channels, Finite element method, Delay 07583
Nonlinear systems, Expansion, Functions, Spectral analysis, Asymptotic behavior 00673
Optical character recognition, Pattern recognition, Scanning, Image processing 02575
Optical communications, Image processing, Signal transmission, Modulation 07319
Performance, Codes, Channels, Noise 07953
Signal processing, Frequency, Delay, Detection 01545
Signal processing, Noise, Integrated circuits, Logic, Counters 07178
Signal to noise ratio, Filters, Robustness, Boundary value problems, Matching 02371
Software packages, Arrays, Equivalence, Integrated circuits, Logic 02818
Synthesis, Circuitry, Computer programs 00666
Systems analysis, Stability, Parameter estimation 04956
Transfer functions, Parameter estimation, Signal processing, Control systems 02017
Transmission lines, Power supply, Voltage, Protection, Controllers 03306
Inspection,
Acoustic emissions, Doppler effect, Nondestructive testing 05111
Artificial intelligence, Robots, Pattern recognition 00417
Automotive engineering, Aluminum, Casting, Nondestructive testing 01910
Calorimetry, Quality control, Components, Silicone 03415
Circuitry, Fabrication, Measurement, Computer aided analysis, Vision 07663
Electromagnetic fields, Coatings, Packaged components, Nondestructive testing 00615
Equipment, Nuclear power plants, Communications, Computer aided control 04992
Flaw detection, Nondestructive testing, Ultrasonics 09135
Generators, Tubes, Instrumentation, Computer aided analysis, Frequency 03291
Heat treatment, Magnetic variables measurement, Machine tools, Steel 07522
Hydroelectric power generation, Capacitors, Fault detection, Standards 00126
Image processing, X-rays, Computed tomography, Industry, Materials testing 03999
Integrated circuits, Modeling, Pattern recognition, Algorithms, Vision 04503
Large scale integration, Redundancy, Fault tolerance 09265
Lasers, Microscopy, Integrated circuits, Metal oxide semiconductors, Scanning 06061
Lasers, Quality control, Materials testing, Process development, Industry 05790
Lasers, Sensors, Vessels, Steelmaking 00396
Lifts, Acoustic emissions, Nondestructive testing, Composite materials, Safety 05114
Machinery, Monitoring, Organization and methods, Technology 05551
Magnetic variables measurement, Paper industry, Electrochemistry, Kinematics 02657
Magnetic variables measurement, Pipelines, Circuitry, Nondestructive testing 05820
Maintenance, Thermal insulation, Wear, Transmission lines 00091
Materials testing, Elasticity, Vibration, Nondestructive testing, Transducers 09133
Materials testing, Electric variables measurement 07227
Materials testing, Nondestructive testing, Radiography, Xerography 03455
Materials testing, Radiometry, Nondestructive testing 08397
Mathematical models, Repair, Failure, Systems design, Reliability 03620

Inspection, (continued)
Nondestructive testing, Acoustic emissions, Materials testing ... 03520
Nondestructive testing, Acoustic emissions, Transducers, State of the art ... 08482
Nondestructive testing, Bearings, Heat treatment, Quality control ... 01951
Nondestructive testing, Boilers, Tubes ... 01977
Nondestructive testing, Component boards, Quality control ... 05719
Nondestructive testing, Eddy current, Transducers ... 04343
Nondestructive testing, Flaw detection, Materials testing, Radiography ... 08904
Nondestructive testing, Mechanical properties, Ferromagnetic components ... 01952
Nondestructive testing, Numerical control, Gauges, Metrology ... 02035
Nondestructive testing, Optics, Surface roughness, Quality control ... 02558
Nondestructive testing, Oscillators, Calibration ... 08820
Nondestructive testing, Pattern recognition, Robots ... 00408
Nondestructive testing, Quality control, Robots, Vision ... 00444
Nondestructive testing, Radiography, Flaw detection ... 01911
Nondestructive testing, Springs, Nuts and bolts ... 01626
Nondestructive testing, Thickness measurement, Ultrasonics, Transducers ... 09136
Nondestructive testing, Transducers, Magnetic variables control ... 03494
Nondestructive testing, Transducers, Research and development ... 09081
Nondestructive testing, Transducers, Simulation, Electric variables control ... 07511
Optics, Nondestructive testing, Frequency, Transducers, Surface properties ... 05841
Oscillation, Composite materials, Vibration, Transducers, Loading ... 05840
Oscillators, Eddy current, Circuitry, Metrology ... 08819
Pattern recognition, Artificial intelligence, Robots, Vision ... 00407
Pattern recognition, Assembling, Production control, Printed circuit boards ... 00412
Pattern recognition, Computer aided analysis, Ball bearings, Surface properties ... 03992
Pattern recognition, Image processing, Punching ... 00411
Pattern recognition, Production control, Assembling ... 08943
Pipes, Welding, Furnaces, Manufacturing, Transducers ... 05067
Printed circuit boards, Automatic testing, Fault detection ... 09300
Printed circuit boards, Vision, Pattern recognition ... 04501
Production control, Nondestructive testing, Reliability, Optics ... 05690
Production control, Pattern recognition, Robots, Vision ... 05219
Production, Quality control, Assembling, Robots, Optics ... 06942
Radiography, Nondestructive testing, Welds, Joints ... 08842
Radios, Reliability, Tolerance, Specifications ... 02907
Recording systems, Magnetic tape, Magnetic variables measurement ... 02672
Remote sensing, Man machine interactions, Automatic control ... 00623
Robots, Gas turbines, Grinding, Measurement, Tolerance ... 05245
Robots, Nondestructive testing, Assembling ... 00419
Robots, Nuclear reactors, Joints ... 02047
Robots, Safety, Personnel, Remote sensing, Data collection ... 05188
Robots, Vision, Assembling, Structural analysis, Programming languages ... 02559
Robots, Vision, Computer aided control, Adaptive control, Pattern recognition ... 03583
Robots, Vision, Microprocessors, Automotive engineering, Valves ... 08556
Robots, Vision, Microprocessors, Semiconductors, Software development ... 07653
Satellite communications, Scanning, Remote sensing, Government agencies ... 02257
Scanning electron microscopy, Integrated circuits, MOSFET, Passivation, Layers ... 07659
Sensors, Instrumentation, Calibration, Accelerometers, Research and development ... 06864
Steel, Plates, Crack propagation, Nondestructive testing, Ultrasonics ... 09134
Surface properties, Finishing processes, Electrons ... 03965
Testing, Ultrasonics, Data processing, Automation ... 05105
Topology, Communication networks, Monotonicity, Circuitry, Structural analysis ... 08793
Transducers, Nondestructive testing, Materials testing ... 02665
Ultrasonics, Acoustics, Instrumentation, Sensors, Materials testing ... 05104
Ultrasonics, Drilling, Pipes, Transducers ... 05834
Ultrasonics, Thickness measurement, Standards, Nondestructive testing ... 05109
Ultrasonics, Wave propagation, Scattering, Modeling, Elastic waves ... 01973
Vision, Automation, Computer graphics, Surface texture, Pattern recognition ... 02574
Vision, Image processing, Noise, Filtering, Automation ... 03185
Vision, Pattern recognition, AUTOVISION II ... 00410
Welding, Ultrasonics, Frequency, Measurement, Performance ... 06847
Welds, Nuclear power plants, Nondestructive testing ... 01809
Instrumentation,
Acoustic emissions, Atmospheric conditions, Noise ... 03507
Acoustic emissions, Noise, Transducers, Measurement, Nondestructive testing ... 05110
Acoustics, Ultrasonics, Channels, Reliability, Flowmeters ... 08468
Aircraft engineering, Technology, Software packages ... 05264
Analog to digital conversion, Programming, Architecture, Distributed systems ... 04597
Assembling, Packaging, Modular design ... 06709
Automatic control, Ergonomics ... 08575
Automation, Research and development, Technological forecasting ... 03409
Biomedical engineering, Cardiovascular system, Metering ... 02151
Biomedical engineering, Data processing, Computer aided analysis ... 08630
Calibration, Nondestructive testing, Oscillators ... 08820
Calibration, Thermal variables measurement, Solar collectors ... 01832
Conductance, Bipolar devices, Current voltage, Computer aided control ... 03551
Design, Switching, Electric variables control, Measurement ... 06588
Dredgers, Project engineering, Monitoring, Gauges ... 00552
Electric fields, Biology, Data collection, Electric variables measurement ... 08443
Electric power generation, Voltage, Radiation, Testing, Simulation ... 08235
Electric variables measurement, Circuitry, Frequency ... 08416
Electromagnetics, Nondestructive testing ... 03496
Electronic equipment, Gauges, Quality control, Statistical analysis ... 01068
Electronic equipment, Hygrometers, Humidity, Thermal variables measurement ... 03549
Electrostatics, Capacitance, Sensors, Electric variables measurement, Force ... 06792
Emissions control, Automation, Laboratory testing ... 05424
Fabrication, Magnetrons, Relativistic scaling laws ... 03564
Failure, Detection, Error, Signal processing, Probability ... 03411
Fast Fourier transforms, Algorithms, Spacecraft, Plotting, Geometry ... 05281
Frequency, Measurement, Vibration ... 08436
Gears, Wheels, Measurement errors, Electronic equipment ... 06867
Hydrocarbon processing, Oil refining, Equipment, Recycling, Process control ... 03616
Industrial plants, Control systems, Precision engineering, State of the art ... 03408
Infrared, Sensors, Thermal variables measurement ... 09068
Inspection, Generators, Tubes, Computer aided analysis, Frequency ... 03291

Instrumentation, (continued)
Integrated circuits, Software packages, Parallel processing ... 0688
Laboratories, Weapons, Research and development, Detectors, Neutron diffraction ... 0515
Lasers, Measurement, Carbon dioxide, Research and development ... 0578
Lasers, Measurement, Image processing, Photography, Holography ... 0578
Lasers, Satellites, Noise, Modeling ... 0903
Magnetic variables measurement, Stress, Seismology, Calibration, Dissertation ... 0671
Maintenance, Calibration, Automatic control, Personal computers ... 0503
Materials testing, Nuclear energy, Calibration, Measurement errors ... 0850
Measurement, Assays, Radioisotopes, Iodine, Nuclear medicine ... 0075
Measurement, Gauges, Automatic control, Feedback ... 0024
Measurement, Nitrogen oxides, Furnaces, Air pollution ... 0849
Measurement, Nuclear medicine, Assays, Statistical analysis ... 0075
Measurement, Nuclear medicine, Radioisotopes, Iodine, Hungary ... 0075
Measurement, Nuclear medicine, Radioisotopes, Technetium, Pharmacology ... 0075
Measurement, Precision engineering, Calibration, Frequency measurement, NBS ... 0678
Measurement, Process analysis, Composition measurement, Filtering, Control ... 0638
Measurement, Radioisotopes, Government regulations, Ionizing radiation ... 0076
Measurement, Radioisotopes, Hospitals, United Kingdom ... 0075
Measurement, Radioisotopes, Nuclear energy, Radium ... 0075
Measurement, Radioisotopes, Nuclear medicine, Statistical analysis ... 0076
Metering, Electric power transmission, Watt/varmeters ... 0029
Microprocessors, Transmitters, Maintenance, Economics, Calibration ... 0931
Microprocessors, Voltage, Frequency, Measurement ... 0507
Microwave devices, Design, Radiation, Measurement, Atmospheric conditions ... 0453
Military aircraft, Displays, Technology, Research and development ... 0695
Modeling, Precision engineering, Thermal variables measurement ... 0341
Monitoring, Aircraft, Fuel systems, Water detection ... 0210
Monitoring, Calibration, Pollutant detection, Atmospheric conditions ... 0849
Monitoring, Data collection, Radiation, Dosimetry ... 0558
Monitoring, Industrial noise, Occupational health ... 0035
Monitoring, Materials testing, Mirrors ... 0336
Monitoring, Nuclear reactors, Cooling systems, Radioisotopes, Sodium ... 0515
Monitoring, Radiation, Dosimetry, Calibration ... 0558
Networks, Education, Amplitude, Frequency ... 0710
Noise, Acoustic variables measurement, Dose response effects ... 0510
Nondestructive testing, Acoustic emissions, Ultrasonic transducers ... 0266
Nondestructive testing, Deformation, Ultrasonics ... 0026
Nondestructive testing, Holography, Vibration, Strain, Structural analysis ... 0905
Nuclear energy, Radiation, Thickness measurement, Gauges ... 0356
Nuclear power plants, Monitoring, Fault detection ... 0516
Nuclear power plants, Safety, Utilities, Technology, Research and development ... 0334
Oceanography, Remote sensing, Thermal variables measurement ... 0370
Oceanography, Waves, Measurement, State of the art ... 0705
Oil, Sampling methods, Dielectric properties, Thermal variables control ... 0435
Oil wells, Recording systems, Depth measurement, Filtering, Performance ... 0352
Optical devices, Position control, Photoelasticity, Polariscopes ... 05661
Optics, Cameras, Meteorology, Testing ... 0869
Output devices, Measurement, Input devices, Tape punches ... 0059
Personal computers, Ships, Algorithms, Functions, Navigation ... 03091
Plug compatibility, Microprocessors, Data collection ... 05141
Pollutant detection, Uranium, India, Toxicity ... 03562
Polynomials, Approximations, Fiber optics, Numerical analysis ... 09357
Power, Metering, Far infrared, Pyroelectricity, Detectors ... 06737
Precision engineering, Calibration, Automation ... 05032
Precision engineering, Spatial variables measurement ... 06865
Pressure measurement, Stability ... 01884
Process control, Quality control, Reliability, Hydrocarbon processing ... 02066
Product development, Spectral analysis, Portability, Tektronix, Inc. 490 Series ... 03484
Protection, Control systems, Alarm systems ... 08711
Publishing, Automation, Technology, Software development ... 02284
Radar, Remote sensing, Data collection, Distribution, Standards ... 06284
Radiation, Optics, Detection, Numerical analysis ... 05722
Recording systems, Economics, Reliability, Computer aided analysis, Monitoring ... 08840
Remote sensing, Acoustic transducers ... 01985
Remote sensing, Wind, Estimation, Meteorology, Satellite communications ... 07060
Research and development, Liquid crystals, Birefringence, Photoelasticity ... 00835
Satellites, Remote sensing, Color, Calibration ... 03695
Seals, Packaged components. Protection ... 02426
Sensors, Calibration, Inspection, Accelerometers, Research and development ... 06864
Sensors, Meteorology, Software packages. Data collection, Microcomputers ... 05372
Simulation, Aircraft, Displays, Guidance and control systems ... 00457
Simulation, Helicopters, Stability, Guidance and control systems, Displays ... 05263
Solar collectors, Thermal variables measurement, Calibration ... 03357
Solar energy, Thermal variables measurement, Calibration, Pyranometers ... 03366
Spacecraft, Simulation, Electronic equipment, Sensors ... 08598
Specifications, Fiber optics, Data collection ... 04555
Spectrum analyzers, Precision engineering, Portability ... 03485
Stability, Frequency, Processors, Terminals, Filtering ... 03736
Technology, Microelectronics, Measurement, State of the art ... 03410
Telemetry, Large scale integration, Microprocessors, Calibration ... 04589
Thermal variables measurement, Deformation, Physical properties ... 06710
Thermal variables measurement, Precision engineering, Dilatometers ... 00251
Thermal variables measurement, Product development ... 01881
Thermal variables measurement, Sensors, Sensitivity ... 03419
Transducers, Impedance, Magnetic variables measurement, Reliability ... 05831
Transducers, Magnetic variables measurement, Force, Structural analysis ... 05832
Transformers, Oil, Laboratories, Measurement, Research and development ... 04920
Ultrasonic testing, Precision engineering, Nondestructive testing ... 03521
Ultrasonics, Acoustics, Sensors, Inspection, Materials testing ... 05104
Vibration, Measurement, Amplitude, Construction ... 05115
Volume measurement, Lasers, Anemometers, Probes, Thermistors ... 04037
Insulation,
Voltage, Amplitude, Testing ... 00153
Insulators,
Aluminum oxide, MISFET, Indium phosphide, Carrier mobility, Capacitance voltage ... 05567

lators, (continued)
nplitude, Acoustic testing, Breakdown, Current, Electric fields ... 00353
cs, Deformation, Combustion ... 02471
cs, Surface properties, Heat transfer ... 00721
reakdown, Discharges, Surface properties, Spark gaps ... 01096
ables, Current, Ampacity ... 06575
ables, Polymers, Combustion ... 07471
ables, Transmission lines, Dielectricity ... 00720
ables, Transmission lines, Laminates, Paper ... 08205
apacitors, Metal oxide semiconductors, Current voltage ... 00733
harge, Contamination, Voltage, Electrodes ... 01774
hemical variables measurement, Transmission lines, Polymers, Deformation ... 00115
omposite materials, Rubber, Transmission lines ... 00134
ompressibility, Pressure measurement, Electric power apparatus ... 00256
onductance, Metal oxide semiconductors, Field effect transistors, Modeling ... 01189
onductivity, Standards, Pollution control, Failure, Statistical analysis ... 02474
onductors, Spectral analysis, Impedance, Explosions, Discharges, Ultraviolet ... 01909
ontamination, Simulation, Transmission lines, Electric power transmission ... 04923
Crack propagation, Composite materials, Fracture ... 01726
Crystal growth, Carrier mobility, Metal oxide semiconductors, Dissertation ... 02473
Current, Discharges, Corona, Sulfur fluoride, Switching ... 00722
Current, Discharges, Voltage, Surface properties ... 00716
Dielectrics, Breakdown, Alkanes, Photography ... 06582
Discharges, Voltage, Moisture measurement, Switching, Spark gaps ... 01748
Displacement, Contacts, Springs, Bending, Finite element method ... 05128
Electric power distribution, Wire processing, Polyimides, Coatings ... 03891
Electric power transmission, Dielectricity, Energy loss ... 06591
Electric power transmission, Surface properties, Stress, Crack propagation ... 03424
Electric power transmission, Underground cables, Fault detection ... 01733
Electrons, Secondary emissions ... 08396
Fault detection, Transmission lines, Voltage, Corona, Discharges ... 00100
Fiber optics, Wavelengths, Cladding ... 01931
Frequency, Reflection, Dielectrics, Fault detection, Nondestructive testing ... 07537
Friction, Boundary layers, Wear, Coatings ... 02667
Fusion reactors, Superconductors, Magnets, Copper ... 01082
Gases, Voltage, Breakdown ... 01757
Germanium nitride, MISFET, Transistors, Film growth, Dissertation ... 09228
Grounding, Wire, Lightning, Voltage ... 06707
Impedance, Transformers, Interference, Radio frequency ... 01916
Interfaces, Displays, Integrated circuits, Doping ... 02775
Interfaces, Gallium indium arsenide, Metal insulator semiconductors ... 01133
Lasers, Materials testing, Fusion ... 07418
Logic circuits, Charge carriers, Transistors, Service life ... 02733
Logic circuits, Field effect transistors, Metal oxide semiconductors ... 02773
Logic circuits, Thickness measurement, Channels, Capacitance ... 01180
Magnetic fields, Pulse generation, Ions, Plasmas, Dissertation ... 00263
Magnetics, Current, Transmission lines, Electric fields, Accelerators ... 09103
Materials testing, Electric fields, Biology ... 08293
Metal insulator semiconductors, Field effect transistors ... 01204
Metal insulator semiconductors, Interfaces, Fabrication, Integrated circuits ... 02780
Metal insulator semiconductors, Silicon nitride, Fabrication ... 02863
Metal oxide semiconductors, Silicon, Logic circuits, Voltage ... 01232
Moisture measurement, Electrolytes, Conductors ... 01755
MOSFET, Indium phosphide, Channels, Transport properties ... 07598
Motors, Switching, Protection, Capacitors, Winding ... 08164
Oil, Polymers, Dielectric constants ... 02682
Organic compounds, Light, Emissions, Discharges ... 05566
Performance, Thermal variables measurement, Voltage, Residual resistance ... 06586
Point contact junctions, Injection, Current voltage, Ohm law ... 08848
Polyethylene, Copper, Wire, Telecommunications ... 07244
Polyethylene, Lifetimes, Statistical analysis ... 06585
Polyethylene, Stress, Voltage, Defects ... 05565
Polyethylene, Transmission lines, Fabrication, Fault detection, Stress ... 00130
Polymers, Electric power distribution, Voltage, State of the art, Standards ... 08213
Polymers, Surface properties, Voltage, Short circuits ... 04934
Protection, Rubber, Electric fields, Transmission lines ... 00112
Radiation, Dosimetry, Polymers, Cables, Technology ... 03911
Rubber, Surface properties, Crack propagation, Failure ... 04921
Semiconductors, Fabrication; Mathematical models ... 09189
Semiconductors, Field effect transistors, Fabrication ... 01187
Signal converters, Sulfur fluoride, Electric power generation ... 01719
Silicone, Transformers, Thermal variables measurement, Reliability ... 09175
Spark gaps, Magnetohydrodynamics, Electrodes, Breakdown ... 00161
Stress, Thermal variables measurement, Ageing, Numerical analysis ... 08188
Surface properties, Charge, Silicon, Metal oxide semiconductors ... 02472
Surface properties, Charging, Electric fields ... 02476
Switching, Electric variables control, Measurement, Instrumentation, Design ... 06588
Thermal variables control, Finite difference method, Computer aided analysis ... 07243
Thermal variables measurement, Circuitry, Current, Polarization ... 00287
Thermodynamics, Combustion, Fire retardants, 1,2-polybutadiene ... 03889
Thyristors, Sulfur fluoride, Valves, Electric power transmission ... 01723
Transformers, Electric power distribution, Failure ... 08221
Transformers, Materials recovery, Oil, Chemical variables measurement ... 01739
Transformers, Noise abatement, Shielding, Damping ... 01091
Transmission lines, Cables, Joints, Molding ... 00133
Transmission lines, Cables, Product development, Polymers ... 01724
Transmission lines, Conductors, Repair, Cables ... 00132
Transmission lines, Dielectrics, Fault detection, Current ... 08198
Transmission lines, Oil, Coolants ... 02475
Transmission lines, Polyolefins, Electric power transmission, Cables ... 01746
Transmission lines, Sulfur fluoride, Conductors ... 07241
Transmission lines, Superconductivity, Cryogenics, Materials testing ... 04261
Tungsten, Thrusters, Electrical conductivity, Thermal variables measurement ... 08845
Vacuum technology, Breakdown, Surface properties, Thermoplastics ... 00715
Vacuum technology, Electric fields, Design, Optimization, Dissertation ... 05085
Voltage, Breakdown, Gases, Sulfur fluoride ... 03294

Insulators, (continued)
Voltage, Sensors, Interfaces, Energy bands, Electrolytes ... 00723
Voltage, Transformers, Thermal variables control, Icing ... 07242
Wire processing, Current voltage, Electromagnetic waves, Impedance ... 04823
Ytterbium oxide, Cadmium sulfide, Thin films, Transistors ... 05958
Insurance,
Satellite communications, Economics, Space shuttle insurance losses ... 08604
Insurance industry,
Telecommunications, Speech recognition, GEICO ... 09459
Integrated circuits,
Acoustooptics, Refractive indices, Waveguides, Transducers ... 03975
Acoustooptics, Waveguides, Signal processing, Dissertation ... 00851
Aircraft engineering, Microelectronics, State of the art ... 02113
Algorithms, Dynamic programming, Terminals, NP completeness, Channels ... 02796
Algorithms, Heuristics, Resistance, Numerical analysis, Computer aided design ... 06000
Algorithms, Image processing, Radar, Optics, Artificial intelligence ... 09276
Algorithms, Matrices, Line of equations, Fabrication, Dissertation ... 06022
Amplifiers, Capacitance, Performance ... 08798
Amplifiers, Design ... 05522
Amplifiers, Fabrication, Performance, Cascomp error correction ... 05519
Analog to digital conversion, Converters, Performance ... 09290
Analog to digital converters, Interfaces, Metal oxide semiconductors ... 01265
Analog to digital converters, Metal oxide semiconductors, Capacitors, Error ... 09280
Analog to digital converters, Signal to noise ratio ... 05545
Anesthesiology, Veterinary science, Performance ... 00508
Antennae, Integral equations, Optimization, Radiation, Dipoles ... 00057
Approximations, Delay, Metal oxide semiconductors, Modeling ... 05941
Architecture, Connectors, Bandwidths, Technology ... 09261
Arithmetic circuits, Counters, Fabrication, Dissertation ... 09259
Arrays, Bandwidths, Image processing, Structural analysis, Loading ... 06030
Arrays, Microprocessors, Multiprocessing, Image processing ... 05702
Arrays, Programming languages, Storage, Logic circuits, Dissertation ... 01262
Arrays, Signal processing, Algorithms, Structural analysis ... 06024
Audio systems, Noise, Signal processing, Amplifiers, Filtering ... 03072
Batch processing, Floating point arithmetic, Partitioning, Standards ... 03742
Batteries, Electronic equipment, Fabrication, Selection, Economics ... 01797
Biomedical engineering, Transducers, Electronic equipment, Design, Dissertation ... 06992
Bipolar devices, Manufacturing, Process development, Electric variables control ... 06018
Bipolar devices, Multiplexers, Optical communications, Optimization, Simulation ... 09282
Bipolar devices, Transistors, Performance, Simulation, Gallium arsenide ... 09199
Bipolar transistors, Pressure, Sensors, Piezoresistivity ... 02628
Bipolar transistors, Telephones, Packaged components ... 06260
Bonding, Packaged components, Nondestructive testing, Wire processing ... 06062
Bridges, Current voltage, Superconductors, Scanning electron microscopy ... 04107
Bridges, Microelectronics, Superconductors, Electrical resistance ... 04108
Calibration, Microprocessors, Sensitivity, Range control, Photodiodes ... 02490
Capacitance, Simulation, Algorithms, Processors, Topology ... 02816
Channels, Charge coupled devices, Noise ... 02853
Channels, Metal oxide semiconductors, Field effect transistors, Fabrication ... 09221
Channels, Routing, Computer aided design, DEC VAX 11/780 ... 07647
Channels, Routing, Wire routing ... 02844
Charge coupled devices, Shift registers, Dissipation ... 02850
Chips, Filtering, Pipelines, Sequences, Approximations ... 02377
CMOS, DMOS, Bipolar transistors, Performance ... 09246
CMOS, Lasers, Etching, Performance, Optimization ... 09050
Coatings, Reliability, Adhesion, Black oxides ... 02864
Coding, Signal processing, Filters, Televisions, Modulation ... 02946
Color, Televisions, Cameras, Frequency, Quality control ... 02951
Combustion, Thyristors, Ignition, Phase locked loops ... 00675
Communication networks, Logic, Adder subtractors, Modules, Dissertation ... 05991
Communication networks, Microwave devices, Interactive systems ... 07619
Commutation, Rotating bodies, Voltage, Choppers, Induction machines ... 03276
Compilers, Optimization, Computer aided design, High level languages ... 05990
Computer aided analysis, Simulation, Logic, Structural analysis, Dissertation ... 06051
Computer aided design, Automation, Transistors, Testing, Technology ... 02793
Computer aided design, Fabrication, Pattern recognition, Dissertation ... 01263
Computer aided design, Fault tolerance, Monte Carlo method ... 05919
Computer aided design, Filters, Simulation, Topology ... 08739
Computer aided design, Hierarchies, Performance, Transistors ... 09279
Computer aided design, Interfaces, Fabrication ... 07164
Computer aided design, Microprogramming, Optimization, Control systems ... 06027
Computer aided design, Packaged components, Fabrication ... 09269
Computer aided design, Routing, Graphs, Algorithms, Dissertation ... 06043
Computer aided design, Routing, Systems design ... 09271
Computer aided design, Simulation, Dissertation ... 09277
Computer aided design, Simulation, Relaxation, Ordinary differential equations ... 04460
Computer aided design, Verification, Simulation ... 09296
Computer aided design, Verification, Structural analysis, Algorithms ... 06011
Computer programs, Modeling, Metal oxide semiconductors ... 07585
Connectors, Friction, Lubricants, Packaged components ... 02797
Control systems, Liquid crystals, Video systems, Displays ... 02553
Converters, Current, Frequency, Stability, Transistors ... 05540
Converters, Frequency, Signal processing, Coding, Error ... 05543
Convolution, Area-time optimality, Computer aided design ... 01247
Cryogenics, Probes, Nondestructive testing, Josephson junctions ... 04239
Current density, Josephson junctions, Tunnel junctions ... 04222
Current voltage, Transfer functions, Synthesis, Dissertation ... 04450
Data communications, Microwaves, Ultrahigh frequency, Signal converters ... 01645
Data transmission, Fiber optics, Signal processing, Waveguides ... 01335
Data transmission, Remote sensing, Personal computers, Microprocessors ... 03157
Decomposition, Design, Hierarchies, Routing, Dissertation ... 06017
Delay, Logic circuits, Josephson junctions ... 02616
Design, Architecture, Signal processing, Reliability, Research and development ... 06050
Design, Fabrication, Error, Simulation, Metal oxide semiconductors ... 07638
Design, MOSFET, Power transistors, Fabrication ... 07593
Design, Optimization, Computer graphics ... 07635

Integrated circuits, (continued)
Design, Signal processing, Book ... 07169
Design, Simulation, Silicon, Electronic equipment, Voltage ... 00283
Design, Technology, State of the art ... 02846
Dielectrics, Amplifiers, Receivers, Satellite communications ... 03850
Dielectrics, Microwaves, Resonators, Gallium arsenide, Millimeter waves ... 04325
Dielectrics, Permittivity, Resonators, Millimeter waves ... 09128
Dielectrics, Waveguides, Interferometers, Modulation, Switching ... 04833
Dielectrics, Waveguides, Millimeter waves, Design, Reliability ... 01047
Dielectrics, Waveguides, Radiation, Fabrication, Testing ... 04313
Dies, Manipulators, Packaging, Systems design, Image processing ... 07662
Digital systems, Oscillators, Switches, Metal oxide semiconductors ... 07203
Digital to analog converters, Voltage ... 05544
Displacement, Stability, Numerical analysis ... 04464
Displays, Interfaces, Insulators, Transistors, Doping ... 02775
Displays, Metal oxide semiconductors, Field effect transistors, Channels ... 08895
Electrodes, Current, Optical devices, Materials planning and control, Polymers ... 02781
Electron beams, Voltage, Emitters, Thermal variables measurement ... 02858
Electron gases, Field effect transistors, Epitaxial growth, Heterostructures ... 09234
Epitaxial growth, Transistors, Metal oxide semiconductors ... 04437
Error, Logic circuits, Cosmic rays, Telecommunications ... 01260
Error, Threshold, Amplifiers, Transistors ... 03871
Etching, Resists, Doping, Photolithography ... 02535
Etching, Semiconductor lasers, Waveguides, Detectors ... 04321
Fabrication, Architecture, Computer aided design, Dissertation ... 04447
Fabrication, Bipolar devices, Metal oxide semiconductors ... 04490
Fabrication, Channels, Routing, Wire routing ... 02813
Fabrication, Computer aided design ... 06008
Fabrication, Computer aided design ... 06009
Fabrication, Computer aided design, Artificial intelligence, REDESIGN ... 06040
Fabrication, Computer aided design, Dissertation ... 02798
Fabrication, Computer aided design, Dissertation ... 02851
Fabrication, Computer aided design, FABRICS II ... 06077
Fabrication, Computer aided design, Logic circuits ... 06007
Fabrication, Computer aided design, Metal oxide semiconductors ... 05942
Fabrication, Computer aided design, Modeling, MINIMOS ... 09257
Fabrication, Computer aided design, Simulation, PATOIS, Dissertation ... 09278
Fabrication, Computer aided design, State of the art ... 02841
Fabrication, Computer aided design, Synthesis automation ... 07666
Fabrication, Computer aided design, Wire routing ... 02810
Fabrication, Contacts ... 02832
Fabrication, Control Automata, Fault detection ... 04468
Fabrication, Counters, Arithmetic circuits ... 03829
Fabrication, Data structure, Architecture, Corner stitching ... 06033
Fabrication, Economics, State of the art ... 07625
Fabrication, Electron beams, Microelectronics ... 09303
Fabrication, Fault tolerance, Thermal variables control ... 04756
Fabrication, Fiber optics, Glass ... 04570
Fabrication, Interfaces, Metal insulator semiconductors, Insulators ... 02780
Fabrication, Metal oxide semiconductors, Field effect transistors ... 05987
Fabrication, Microelectronics, Fault tolerance ... 07175
Fabrication, Multiplexing, Ternary circuits ... 04499
Fabrication, Oscillators, Frequency dividers ... 05506
Fabrication, Oxidation, Metal oxide semiconductors, Masks, Silicon nitride ... 02862
Fabrication, Plasma etching ... 06026
Fabrication, Printed circuit boards, Routing, Wiring ... 02808
Fabrication, Reliability ... 09258
Fabrication, Routing ... 02842
Fabrication, Routing, Computer aided design, Wire routing ... 02812
Fabrication, Semiconductors, Electron beam direct writing ... 02872
Fabrication, Silicon nitride, Metal insulator semiconductors ... 02863
Fabrication, Technology, Computer aided design, Masterimage method ... 02824
Fabrication, Transistors, Gain, Bandwidths ... 02835
Fabrication, Verification, Fault detection ... 07646
Fabrication, Verification, Simulation, Pattern recognition, Algorithms ... 07641
Failure, Classification, Structural analysis ... 04448
Fault detection, Modeling, Simulation, Computer aided design ... 07105
Fault detection, Simulation, Combinational circuits, Input output, Testing ... 06056
Fault tolerance, Arrays, Architecture, Design ... 09268
Field effect transistors, Accelerometers, Transducers, Fabrication ... 01030
Field effect transistors, Amplifiers, Switching, Input, Bipolar devices ... 02431
Field effect transistors, Computer aided design, Simulation, Silicon ... 09218
Field effect transistors, Fabrication, Heterojunctions ... 07606
Field effect transistors, Fabrication, Noise, Microwave devices, Performance ... 04421
Field effect transistors, Modeling, Gunn diodes, Dissertation ... 01259
Field effect transistors, Multiplexers, Amplifiers, ISFET ... 05517
Field effect transistors, Potentiometers, Coaxial cables, Transmission lines ... 04445
Filters, Amplifiers, Bipolar devices, Control systems, Current voltage ... 08755
Filters, Capacitors, Switching, Performance, Charge transfer ... 02411
Filters, Coding, Prediction, Speech synthesis, Dissertation ... 01281
Filters, Design ... 00657
Filters, Design, Amplifiers, Structural analysis, Dissertation ... 03780
Filters, Fabrication, Modular design ... 08747
Filters, Input, Frequency, Architecture ... 07113
Filters, Programming, Signal processing, Modeling ... 05449
Filters, Signal converters, Networks ... 07147
Flip flops, Counters, Signal processing, Analog to digital conversion ... 04061
Flip flops, Inverters, Logic circuits, Josephson junctions, Oscillators ... 04069
Frequency, Signal processing, Filters ... 05436
Frequency, Signal processing, Input output, Numerical analysis ... 05539
Gallium arsenide, Amplifiers, Noise ... 05524
Gallium arsenide, Bipolar devices, Microwave devices, Silicon, Design ... 01240
Gallium arsenide, Connectors, Optoelectronics ... 08908
Gallium arsenide, Epitaxial growth, Microwaves ... 04494
Gallium arsenide, Fabrication, Crystal growth, Metal insulator semiconductors ... 02719
Gallium arsenide, Field effect transistors, Fabrication, Computer aided design ... 09225

Integrated circuits, (continued)
Gallium arsenide, Generators, Error detection, Transmission lines, Fiber optics ... 06
Gallium arsenide, Ion implantation, Annealing, Carrier density, Hall effect ... 09
Gallium arsenide, Ion implantation, Microwaves, MESFET ... 04
Gallium arsenide, MESFET, Transistors ... 05
Gallium arsenide, Microwaves, Technological forecasting ... 01
Gallium arsenide, Optoelectronics, Connectors, Fabrication ... 08
Gallium arsenide, Signal processing, Architecture, Time measurement ... 09
Gallium arsenide, Technological forecasting, Government policies, Marketing ... 04
Geometry, Metal oxide semiconductors, Field effect transistors, Simulation ... 01
Gradiometers, Thin films, Superconductivity, Interference, Magnetic fields ... 04
Heterostructure lasers, Fabrication, Microcleaved facets process, AlGaAs/GaAs ... 07
Hierarchies, Automation, Computer aided design, Performance, Dissertation ... 07
Hybrid devices, Productivity ... 06
Identification, Fault detection, Redundancy, Testing, Dissertation ... 06
Image processing, Architecture, Filtering, Pattern recognition, Dissertation ... 04
Image processing, Computer graphics, Displays, Controllers, Monitoring ... 08
Image processing, Displays, Light valves, Sensors, Photodevices ... 02
Image processing, Filters, Modeling, Ghost canceller, Televisions ... 01
Imaging, Masks, Fabrication, Lithography ... 07
Importing, Economics, Demand analysis, United States, Japan ... 02
Indium phosphide, Millimeter waves, Receivers, Packaged components ... 08
Inductance, Semiconductors, Capacitors, Current voltage ... 02
Inspection, Scanning electron microscopy, MOSFET, Passivation, Layers ... 07
Interactive systems, Computer graphics, Image processing ... 02
Interconnections, Image processing, Speckle ... 00
Interfaces, Automation, Testing ... 09
Interferometers, Josephson junctions, Superconductivity, Current voltage ... 04
Interferometers, Junctions, Superconductors ... 04
Josephson junctions, Current voltage, Superconductivity, Bridges ... 04
Josephson junctions, Logic circuits, Superconductivity, Resistivity, Connectors ... 04
Josephson junctions, Niobium, Tunnel junctions, Fabrication, Magnetrons ... 04
Josephson junctions, Tunnel junctions, Resistors, Superconductivity ... 04
Junctions, Simulation, Computer programs, Capacitors ... 02
Large scale integration, Modeling, Simulation, Memory ... 04
Lasers, Fabrication, Metal oxide semiconductors, Interfaces ... 02
Lasers, Microscopy, Inspection, Metal oxide semiconductors, Scanning ... 06
Lasers, Thin films, Thermal conductivity, Numerical analysis ... 02
Light emitting diodes, Transistors, Heterojunctions, Optics, Bistability ... 08
Local area networks, Architecture, Buses, Fiber optics, Performance ... 08
Local area networks, Personal computers, Data communications, Reliability ... 06
Logic circuits, Analog to digital converters, Josephson junctions, Decoders ... 04
Logic circuits, Computer aided analysis, Fault detection ... 04
Logic circuits, Interferometers, Josephson junctions ... 04
Logic circuits, Josephson junctions, Fabrication ... 01
Logic circuits, Josephson junctions, Fabrication, Capacitance ... 05
Logic circuits, Josephson junctions, Superconductivity, Flux, Trapping ... 04
Logic circuits, Routing, Modeling ... 02
Logic circuits, Signal processing, Coding, Alignment ... 03
Logic circuits, Switching, Velocity, Research and development ... 06
Logic circuits, Transistors, Failure, Fault detection, Maintenance ... 06
Logic, Hardening, Design, Random access memory, Error ... 06
Logic, Operators, Processors, Networks, Research and development ... 05
Magnetics, Converters, Switching, Synthesizing ... 03
Magnetometers, Charge carriers, Magnetic fields, Frequency, Transducers ... 01
Masks, Fabrication ... 06
Masks, Simulation, Monte Carlo method, Implants ... 06
Materials planning and control, Signal processing, Data transmission ... 02
Materials testing, Damage, Computer aided analysis ... 06
Materials testing, Spectral analysis, Packaged components, Microelectronics ... 02
Memory, Microprocessors, Metal oxide semiconductors, Transistors, Technology ... 09
Memory, Structural analysis, Logic, Topology, Processors ... 04
Memory, Transistors, Metal oxide semiconductors, Reliability ... 01
MESFET, Transistors, Gallium arsenide, Current voltage, Scattering ... 09
Metal insulator semiconductors, Silicon nitride, Film growth, Tunneling ... 04
Metal oxide semiconductors, Ageing, Reliability ... 01
Metal oxide semiconductors, Channels, Electrical resistivity, Carrier mobility ... 04
Metal oxide semiconductors, Counters, Shift registers ... 07
Metal oxide semiconductors, Current voltage, Design, Performance, Noise ... 07
Metal oxide semiconductors, Design, Converters ... 07
Metal oxide semiconductors, Electron guns, Fabrication ... 01
Metal oxide semiconductors, Fabrication, Boron, Interfaces ... 02
Metal oxide semiconductors, Fault detection, Communication networks ... 02
Metal oxide semiconductors, Field effect transistors, Drains, Simulation ... 01
Metal oxide semiconductors, Field effect transistors, Modeling, Current voltage ... 05
Metal oxide semiconductors, Field effect transistors, Physics, Modeling ... 02
Metal oxide semiconductors, Field effect transistors ... 04
Metal oxide semiconductors, Functions, Approximations, Data collection ... 04
Metal oxide semiconductors, Gallium arsenide, Communications ... 05
Metal oxide semiconductors, Interfaces, Diffusion ... 01
Metal oxide semiconductors, Logic circuits, Matrices, Design ... 06
Metal oxide semiconductors, Matrices, Computer programs, Simulation ... 01
Metal oxide semiconductors, Packaged components, Optimization ... 02
Metal oxide semiconductors, Process development, Fault tolerance ... 00
Metal oxide semiconductors, Random access memory, Fabrication, Polysilicon ... 04
Metal oxide semiconductors, Service life, Reliability, CMOS ... 04
Metal oxide semiconductors, Signal processing, Delay, Communication networks ... 06
Metal oxide semiconductors, Silicon, Product development ... 02
Metal oxide semiconductors, Simulation ... 05
Metal oxide semiconductors, Transistors, Energy loss, Leak detection ... 01
Metal oxide semiconductors, Tungsten silicide, Interfaces ... 02
Metal silicides, Refractories, Thin films, Metal oxide semiconductors ... 02
Metallization, Lifetimes, Electromigration, Electrical resistance ... 06
Microcomputers, Input output, Memory, Measurement ... 06
Microelectronics, Computer aided design, Simulation, Dissertation ... 07
Microelectronics, Design, Silicon compilation ... 02

grated circuits, (continued)
Microelectronics, Design, State of the art 01251
Microelectronics, Electron beams, Research and development 04497
Microelectronics, Etching, Fabrication, Lithography, Electron beams 00845
Microelectronics, Routing 05998
Microelectronics, Testing, Defects 06047
Microprocessors, Testing, Radiography, Intel 8085 05997
Microwave devices, Dielectric loss 07467
Microwave devices, Fabrication, Computer aided design 08069
Microwave devices, Packaged components, Technology, PlanarPak^{TM} 06458
Microwaves, Dielectrics, Resonators, Design 01064
Microwaves, Emitters, Silicon, Charge carriers, Bipolar transistors 02731
Microwaves, Logic circuits, Fabrication 06038
Microwaves, Signal transmission, Radio communications 02905
Military equipment, Testing, Fault detection, State of the art 07658
Military, Microelectronics, Testing, Fault detection 07645
Millimeter waves, Couplers, Design 08076
Millimeter waves, Dielectric constants, Waveguides, Dissertation 01050
Millimeter waves, Dielectrics, Waveguides, Fabrication 04318
Millimeter waves, Semiconductors, Antennae 08093
Millimeter waves, Technological forecasting, Packaged components 07616
Modeling, Computer aided design, Field effect transistors 06778
Modeling, Metal oxide semiconductors, Field effect transistors 04390
Modeling, Metal oxide semiconductors, Interfaces, Contacts 02857
Modeling, Pattern recognition, Inspection, Algorithms, Vision 04503
Modems, Parallel processing, Approximations, Filters, Microwave devices 03169
MODFET, Capacitance, Bias, Transconductance, Scattering 07609
Moisture control, Connectors, Degradation, Contacts 02868
Moisture measurement, Packaged components, Corrosion resistance, Tungsten 02785
MOSFET, Breakdown voltage, Doping 01185
MOSFET, Logic, Computer aided design 01186
MOSFET, NMOS, Molecular beam epitaxy, Silicon 05978
MOSFET, Silicon, Thin films, Grain boundaries 09208
MOSFET, Temperature, Current voltage, Dissertation 05965
Motors, Controllers, Noise, Signal processing, Recording systems 01689
Multipliers, Gallium arsenide, Field effect transistors, Fabrication 04473
Multipliers, Multiplexing, Iteration, Structural analysis 09293
Nickel silicide, Oxidation, Metallization, Interconnections 05562
NMOS, CMOS, Transistors, Dissertation 05963
Noise abatement, Simulation, Voltage, Power supply, Phase locked loops 02838
Noise abatement, Systems design, Bipolar devices, Amplifiers 02422
Noise, Recording systems, Voltage, Performance, Research and development 02675
Optical analysis, Semiconductors, Junctions, Striplines, Detectors 00989
Optical devices, Fabrication, Electrooptics, Waveguides, Lithium niobate 02645
Optical devices, Impedance, Waveguides, Dissertation 01053
Optics, Lasers, Signal processing, Integrated systems 00987
Optics, Printing, Illumination, Image processing, Masks 02839
Optoelectronics, Modulation, Bandwidths, MESFET 08909
Oscillators, Voltage, Control systems, Resistors 07207
Oscillators, Voltage, Thermal variables measurement 07202
Oscilloscopes, Microcomputers, Interfaces, Displays, Alphanumerics 00285
Packaged components, Fabrication, Ceramics, Failure, Printed circuit boards 02865
Packaged components, Josephson junctions, Materials testing 04106
Packaged components, Josephson junctions, Power supply, Logic circuits 04270
Packaged components, Materials testing, Ceramics, Thermal expansion 07660
Packaged components, Moisture control, Plastics, Thermal variables measurement 06086
Packaged components, Printed circuit boards, Coatings, Soldering 02786
Packaged components, Printed circuit boards, Composite materials, Contacts 02788
Packaged components, Printed circuit boards, Connectors 02869
Packaged components, Printed circuit boards, Materials planning and control 04509
Packaged components, Printed circuit boards, Soldering, Fatigue, Service life 02789
Packaged components, Printed circuit boards, Systems design 02790
Packaged components, Protection, Silicon, Reliability 02784
Packaged components, Reliability, Thermal variables measurement 02806
Packaged components, Seals, Glass, Alpha radiation 02783
Packaged components, Semiconductors, Assembling, Reliability 06064
Packaged components, Soldering, Reliability 02787
Packaged components, Technology, State of the art 02826
Packaged components, Ultrahigh frequency, Microwaves, Striplines, Ceramics 02640
Packaging, Quality control, Moisture measurement 04502
Packaging, Technology, Density, Arrays 02847
Parallel processing, Silicon, Metal oxide semiconductors, Channels, Arithmetic 08790
Parameter estimation, Metal oxide semiconductors, Random access memory 04483
Partitioning, Matrices, Algorithms, Linear systems, Numerical analysis 06021
Photodetectors, Apertures, Fiber optics, Refractive indices 04546
Photodiodes, Field effect transistors, Chemical vapor deposition, Pn junctions 02704
Photodiodes, Field effect transistors, Molecular beam epitaxy, Gallium arsenide 00769
Photolithography, Oxygen, Sensors, Biomedical engineering, Dissertation 01279
Piezoresistivity, Pressure measurement, Silicon, Sensors 02627
Plasmas, Boron chloride, Etching, Aluminum, Fabrication 02860
Plasmas, Resists, Ultraviolet, Stability 02536
Polysilicon, Field effect transistors, Design, CMOS, Doping 07596
Power systems, Charge carriers, Delay 04391
Printed circuit boards, Ceramics, Soldering, Thermal variables measurement 06085
Printed circuit boards, Composite materials, Adhesives 02866
Printed circuit boards, Foils, Crack propagation, Electrodeposition, Copper 02427
Printed circuit boards, Packaged components, Soldering, Reliability 02807
Printed circuit boards, Reliability, Failure, Fault detection 02855
Printed circuit boards, Routing, Computer aided design, Computer graphics 07626
Process control, Modeling, Metal oxide semiconductors, Bipolar devices 04511
Protection, Packaged components, Elastomers, Silicone 06084
Prototyping, Simulation, Speech recognition, Architecture 07618
Radio frequency, Current voltage, Josephson junctions 04101
Radios, Receivers, Bipolar devices, Silicon, Technology 02831
Random access memory, Bipolar devices, Metal oxide semiconductors 02759
Random access memory, Fabrication, Polysilicon 04480

Integrated circuits, (continued)
Random access memory, Field effect transistors, Junctions, Gallium arsenide 04434
Random access memory, Redundancy, Design 05505
Recording systems, Amplifiers, Noise, Computer aided design, Simulation 02432
Recording systems, Design, Signal processing, Color, Bipolar devices 02960
Recording systems, Signal to noise ratio, Filtering, Oscillators, Controllers 02568
Refractories, Etching, Ion implantation, Oxidation 01246
Reliability, Failure, Thermodynamics, Optimization 04513
Reliability, Printed circuit boards, Packaged components, Soldering 06080
Research and development, Military engineering, Weapons, Munition circuits 02081
Resolution, Electrical resistivity, Fabrication 01277
Routing, Computer aided design, Wire routing 02814
Routing, Computer aided design, Wire routing 02845
Routing, Design, Wire routing 02811
Scanning electron microscopy, Voltage, Failure, Phase shifts 01271
Schottky diodes, Fabrication, Tunnel junctions, Josephson junctions 04240
Schottky TTL, Semiconductor lasers, Modulators, Switching 06049
Semiconductors, Arrays, Signal processing, Electron beams 06065
Semiconductors, Bipolar transistors, Switching 05494
Semiconductors, Doping, Photolithography, Microelectronics 02830
Semiconductors, Fabrication, Electron beam lithography 05892
Semiconductors, Neutrons, Radiation 01149
Semiconductors, Packaged components, Wire processing, Modular design 01280
Semiconductors, Radiation, Damage 01155
Semiconductors, Reliability 05900
Semiconductors, Research and development 02697
Semiconductors, Transistors, Failure, Gold, Corrosion 03824
Sensors, Receivers, Radios, Position control, Navigation 04702
Short circuits, Transmission lines, Superconductors, Magnetic fields 04242
Signal processing, Architecture, Dissertation 07643
Signal processing, Color, Televisions, Filtering, Coding 02958
Signal processing, Fault tolerance, Current, Gain, CMOS, Crosstalk 08905
Signal processing, Filtering, Throughput 06039
Signal processing, Frequency, Telemetry, Research and development, Dissertation 07692
Signal processing, Josephson junctions, Logic circuits, Superconductivity 04102
Signal processing, Noise, Logic, Counters, Input output 07178
Signal processing, Processors, Microelectronics, Technology 04761
Signal processing, Programming, Structural analysis, Image processing 04449
Signal processing, Realtime systems, Programming, Architecture 07892
Signal processing, Wave propagation, Energy, Delay, Technology 09281
Signal transmission, Stability, Phase shifts, Gyrators 05515
Silicides, Metal oxide semiconductors, Schottky barriers, Junctions, Book 07669
Silicon, Color, Sensors, Photodiodes 08930
Silicon, Crystal growth, Doping, Thin films 02828
Silicon, Doping, Arsenic, Annealing, Metal oxide semiconductors 02747
Silicon, Etching, Reactors 01268
Silicon, Fabrication, MOSFET, CMOS, FIPOS 07670
Silicon, Read only memory, Surface protection, Radiation hardening 05996
Silicon, Scanning electron microscopy, Image processing, Fourier transforms 04467
Simulation, Computer aided design, SABLE 07623
Simulation, Geometry, Computer programs, Metal oxide semiconductors 02768
Simulation, Metal oxide semiconductors, Current, Conductance 09216
Simulation, Metal oxide semiconductors, Field effect transistors, HP-SPICE 05945
Simulation, Optimization, Bipolar devices, Metal oxide semiconductors 02817
Simulation, Schottky barriers, Diodes, Gallium arsenide, Modeling 01145
Simulation, Time measurement, Computer aided design 07624
Software packages, Arrays, Equivalence, Input output, Logic 02818
Software packages, Parallel processing, Machine machine interactions 06888
Soldering, Interfaces, Printed circuit boards, Capacitors, Barium titanate 02480
Soldering, Printed circuit boards, Connectors, Failure 02792
Sorting, Modeling, Energy consumption, Algorithms, Computation 06029
Sound synthesis, Programming, Microcomputers, Interfaces, Structural analysis 02803
Speech recognition, Coding, Metal oxide semiconductors 04505
Speech synthesis, Communications, Remote control, Air conditioners 03085
Speech synthesis, Time measurement, Microprocessors 04689
Statistical analysis, Monte Carlo method, Josephson junctions, Logic circuits 04071
Statistical analysis, Simulation, Fault tolerance 06032
Storage, Packaged components, Connectors, Soldering, Failure 02870
Strain, Metal oxide semiconductors, Sensors, Coding, Signal processing 02629
Stress strain relations, Resistors, Gauges, Dies 05039
Structural analysis, Design, Simulation, Modeling, Semiconductors 04364
Superconductivity, Tunnel junctions, Josephson junctions, Modulation 04235
Surface properties, Conductors, Electromigration, Thin films 02467
Switches, Voltage, Control systems, Metal oxide semiconductors 08795
Switching, Amplifiers, Superconductors, Product development, Inverters 02617
Switching, Capacitors, Filters, Metal oxide semiconductors 00728
Switching, Capacitors, Modulators, Metal oxide semiconductors 09599
Switching, Ceramics, Packaged components, Modular design 06082
Switching, Communication networks, Distributed systems, Structural analysis 01446
Switching, Liquid crystals, Magnetooptics, Garnet, Photography, Wavelengths 02554
Synchronization, Error, Signal processing, Probability, Modeling 09593
Technological forecasting, Product development, Business statistics 04506
Technology, Design, Converters, Arrays, Automation 07634
Technology, Fabrication, Metal oxide semiconductors, Random access memory 05948
Technology, Filtering, Microelectronics 09287
Technology, State of the art 07622
Telemetry, Biology, Transducers, Reliability 06199
Televisions, Analog to digital conversion, Signal processing, Silicon 02945
Televisions, Audio systems, Quality control, Signal transmission, Multiplexing 02972
Televisions, Coding, Signal transmission, Quality control, Filtering 02965
Televisions, Memory, Voltage, Pulse code modulation, Receivers 02962
Televisions, Quality control, Filtering, Failure, Signal processing 02947
Televisions, Receivers, Automation, Synchronization 02955
Televisions, Voltage, Research and development 02963
Testing, Fault detection, Built-in testing 07654
Testing, Metal oxide semiconductors, Field effect transistors, Channels 01272

Integrated circuits, (continued)
Testing, Microprocessors, Research and development 01270
Thermal variables measurement, Dielectrics, Microelectronics, Probes, Adhesives 02791
Thin films, Performance, Loading, Microelectronics 04471
Thin films, Transducers, Heat, Strain, Sensors 04331
Transcoders, Metering, Design, Channels 08782
Transducers, Semiconductors, Sensors, Pressure, Thermal variables measurement 09130
Transistors, Current, Voltage, Breakdown, Velocity 01176
Transistors, Current voltage, Simulation, VMOS 05930
Transistors, Electrical engineering, User's guide 02815
Transistors, Metal oxide semiconductors, Modeling, CMOS latch-up 05943
Transistors, Resistors, Fabrication, Annealing, Metal oxide semiconductors 02751
Transistors, Structural analysis, Fabrication 01269
Tuning, Frequency, Channels, Signal transmission, Televisions 02973
Tunnel junctions, Interfaces, Refractories, Josephson junctions 04105
Tunnel junctions, Josephson junctions, Logic circuits, Niobium 04070
Velocity, Signal processing, Microprocessors, Tachometers 03535
Very large scale integration, Quality control, Design, Structural analysis 01244
Video systems, Color, Cameras, Frequency 02486
Video systems, Recording systems, Signal processing, Modulation, Voltage 02937
Videotex, Modems, Switching, Capacitance, Personal computers 02915
Voltage, Capacitors, Failure, Ceramics 05578
Waveguides, Matching, Spectral analysis, Design 01045
Waveguides, Signal processing, Photodetectors, Lasers, Dissertation 01049
Wiring, Routing, Fabrication, Computer aided design 02809
Integrated optics,
Heterostructure lasers, Current density, Coupling, Diodes 07371
Semiconductor lasers, Light, Amplifiers, Technological forecasting 07699
Thin films, Film growth, Microcomputers, Signal processing 06877
Integrated systems,
Architecture, Communication networks, Modules, Multiplexing, Mexico 00148
Communication networks, Interfaces, Channels, Transmission lines, Pulses 03163
Communication networks, Packet switching, Plug compatibility, Formatting 06238
Communication networks, Protocols, Specifications, Speech transmission 06232
Communication networks, Signal transmission, Performance, Error, Delay 04663
Communication networks, Switching, Data transmission, Technological forecasting 06205
Communication networks, Switching, Protocols, Access, Data transmission 03055
Communication networks, Telephones, Technology, Protocols, Standards 04661
Communication networks, Terminals, Channels, Office automation, Buffers 01425
Communications, Terminals, Office automation, Organization and methods 06095
Computer aided design, Computer aided manufacturing, Technology 02348
Electronic mail, Speech transmission, Data transmission, Information retrieval 06226
Fiber optics, Communication networks, Interfaces, Sensors, Process control 04551
Fiber optics, Local area networks, Logic, Information services 02913
Integrated circuits, Computer aided design, Hierarchies, Performance 09279
Local area networks, Packet switching, Speech transmission, Data transmission 01465
Local area networks, Private branch exchange, Research and development, Italy 01442
Micrographics, Electronic equipment, Image processing, Information services 01328
Micrographics, Technology, Office automation, Records management 03756
Office automation, Interfaces, Machine machine interactions, Planning 03757
Office automation, Telecommunications, Semiconductors, Microprocessors 06254
Packet switching, Circuitry, Local area networks, Protocols, Dissertation 02992
Probes, Data collection, Routines, Control systems, Software development 05693
Satellite communications, Mobile systems, Marine engineering 06197
Satellite communications, Transmission lines, Microwave devices 01397
Speech synthesis, Pattern recognition, Office automation 09481
Speech synthesis, Simulation, Data communications, Quality control 07812
Speech transmission, Data transmission, Data bases, Resource management 07828
Speech transmission, Data transmission, Electronic mail, Switching, Economics 06225
Speech transmission, Data transmission, Telecommunications, Local area networks 01432
Speech transmission, Multiplexing, Synchronization, Performance, Traffic 07924
Systems design, Aircraft engineering, Weapons, Technology 03656
Telecommunications, Communication networks, Planning, Economics, Technology 04664
Telecommunications, Repair, Artificial intelligence, Logic, Modems 01462
Teleconferencing, Communication networks, Telephones, Computer graphics 06200
Telephones, Electronic mail, Message switching, Storage 03065
Interactive systems,
Acoustics, Waveforms, Speech recognition, Audio systems, Data processing 01480
Aircraft, Microelectronics, Guidance and control systems, Systems design 02105
Communication networks, Access, Systems design 07079
Communication networks, Airlines, Data processing, Traffic, Scheduling 02981
Communication networks, Integrated circuits, Microwave devices 07619
Computer graphics, Displays, Air traffic control, Communication networks 03093
Computer graphics, Displays, Terminals, Control systems, Oscillation 02305
Computer graphics, Minicomputers, Economics, Programmable calculators 02299
Computer graphics, Packaged components, Image processing, Integrated circuits 02827
Computer graphics, Simulation, Validation, Prediction, Dissertation 03095
Electric power generation, Control systems, Education, Data collection 08346
Electric power generation, Loading, Modeling, Computer graphics, Microcomputers 03317
Encoding, Fault tolerance 01590
Image processing, Computer graphics, Raster displays, Vision, Dissertation 03981
Image processing, Displays, Control systems, Acoustics, Software development 03989
Image processing, Optical communications, Processors, Color, Coding 07331
Lasers, Scanning, Automation, Displays, Control systems 02217
Library science, Education, Personal computers, Video systems 09335
Mapping, Raster displays, Computer graphics, Geography, Information systems 02237
Microprocessors, Image processing, Televisions, Security, Cameras 03565
Multiprocessing, Man machine interactions, Programming, Controllers 02057
Packet switching, Protocols, Architecture, Communication networks 07813
Radar, Mapping, Image processing, Optics, Geology 07028
Remote sensing, Image processing, Raster displays, Microprocessors, Cartography 02202
Simulation, Communication networks, Minicomputers, Processors, Modems 07825
Simulation, Minicomputers, Control systems 05418
Simulation, Time sharing systems, Calculators, Structural analysis 04961
Speech synthesis, Music, Quality control, Problem solving, Software packages 03079
Teleconferencing, Video systems, Economics 03010
Interactive systems, (continued)
Teleconferencing, Vision, Image processing, Computer graphics 06
Videodisks, Technology, Game playing, Computer graphics 02
Videotex, Communication networks, Terminals, Microcomputers 01
Videotex, Teletext, Technology, Broadcasting, Data transmission 06
Interfaces,
Boron, Fabrication, Integrated circuits, Metal oxide semiconductors 02
Buses, Spectrometers, Data processing, Software development, Economics 01
Charge carriers, Metal oxide semiconductors, Field effect transistors 02
Charge mobility, Ionization, Charge coupled devices, Dissertation 02
Circuitry, Output devices, Input devices, Optics, Microcomputers 00
Communication networks, Channels, Integrated systems, Transmission lines 03
Communication networks, Plug compatibility, Internet 05
Compatibility, Data communications, Protocols, FRG 06
Contacts, Electrical resistivity, Metal oxide semiconductors, Modeling 02
Data transmission, Standards, Local area networks, Packet switching 07
Dielectrics, Electromagnetics, Wave propagation, Transmission lines 08
Dielectrics, Switching, Refractive indices, Optics 05
Dynamics, Tin, Connectors, Contact resistance 07
Electron gases, Transport properties, Hall effect, Metal oxide semiconductors 02
Electronic equipment, Local area networks, Microcomputers, Fiber optics 02
Energy bands, Semiconductors, Photoconductivity, Solar cells 02
Fabrication, Integrated circuits, Computer aided design 07
Fiber optics, Communication networks, Integrated systems, Sensors 04
Gallium arsenide, MESFET, Transistors, Fabrication, Microwaves 05
Heterojunctions, Capacitance voltage, Charge density, Spectroscopy 03
Indium antimonide, Metal oxide semiconductors, Capacitance voltage 05
Indium antimonide, Metal oxide semiconductors, Films 05
Insulators, Metal oxide semiconductors, Metal insulator semiconductors 01
Insulators, Voltage, Sensors, Energy bands, Electrolytes 00
Integrated circuits, Automation, Testing 09
Integrated circuits, Metal oxide semiconductors, Tungsten silicide 02
Integrated circuits, Oscilloscopes, Microcomputers, Displays, Alphanumerics 00
Local area networks, Fiber optics, Protocols 07
Local area networks, Plug compatibility, Mainframes, Minicomputers 05
Local area networks, Software development, Protocols, Strathnet 05
Logic circuits, Charge carriers, Metal oxide semiconductors, Current 02
Logic circuits, Doping, Metal oxide semiconductors, Field effect transistors 04
Metal insulator semiconductors, Insulators, Fabrication, Integrated circuits 02
Metal insulator semiconductors, Solar cells, Fermi levels, Charge carriers 02
Metal oxide semiconductors, Charge carriers, Conductance 01
Metal oxide semiconductors, Fabrication, Lasers, Integrated circuits 02
Metal oxide semiconductors, Integrated circuits, Diffusion 01
Metal oxide semiconductors, Signal converters, Analog to digital converters 01
Microcomputers, Input, Coding 07
Mobile systems, Systems design, Data communications, Field instrumentation 06
Multiprocessors, Data structure, Standards, Buses 00
Office automation, Integrated systems, Machine machine interactions, Planning 03
Plasmas, Radio frequency, Schottky diodes, Josephson junctions 04
Plug compatibility, Local area networks, Architecture 05
Reflection, Electromagnetic waves 03
Schottky diodes, Breakdown, Voltage, Heat treatment, Al/n-Si 07
Semiconductors, Electrical resistance, Carrier mobility 01
Semiconductors, Electrolytes, Solar cells, Performance, Dissertation 07
Semiconductors, Field effect transistors, Transconductance, Carrier mobility 04
Semiconductors, Heterojunctions, Microscopy, Synchrotron radiation 02
Simulation, Density, Distributions, Metal oxide semiconductors 02
Software development, Spectrometers, Minicomputers 05
Solar cells, Metal insulator semiconductors, Fabrication, Dissertation 00
Soldering, Integrated circuits, Printed circuit boards, Capacitors 02
Spectroscopy, Semiconductors, Current, Lasers, Solar cells 02
Speech transmission, Packet switching, Communication networks 01
Standards, Precision engineering, Microelectronics 05
Strontium titanate, Platinum, Surface properties, Photodecomposition 06
Superconductors, Thermal variables measurement, Heat transfer, Cryogenics 04
Superlattices, Capacitors, Fabrication, Heterojunctions, Capacitance voltage 05
Telecommunications, Output devices, Magnetic tapes, Image processing 01
X-rays, Televisions, Performance, Standards 07
Xerography, Electrooptics, Charge carriers, Photoconductivity 02
Interference,
Aircraft, Technology, Microcomputers, Electronic equipment, Frequency 07
Analog to digital conversion, Signals, Weight functions 00
Analog to digital converters, Spread spectrum communications, Quantization 02
Antennae, Channels, Error, Signal processing, Arrays 06
Antennae, Communications, Wave propagation, Reflection, Polarization 08
Arrays, Cancelers, Signal processing, Telemetry 04
Arrays, Signal to noise ratio, Circuitry, Error, Quality control 06
Arrays, Signal to noise ratio, Modulation, Frequency 03
Channels, Signal transmission, Equalization, Receivers, Processors 07
Channels, Speech transmission, Signal processing 07
Channels, Telecommunications, Performance 09
Channels, Transmission, Signal to noise ratio 01
Communication networks, Channels, Signal to noise ratio, Modeling, Dissertation 06
Communication networks, Microwave devices, Path location, Wave propagation 01
Communication networks, Signal transmission, Machine machine interactions 04
Conductors, Excitation, Coronas, Performance 08
Crosstalk, Signal transmission, Telecommunications, Networks 00
Data transmission, Channels, Dissertation 04
Data transmission, Channels, Noise, Mathematical modeling, Dissertation 01
Data transmission, Channels, Satellite communications, Dissertation 01
Decoding, Error 09
Distortion, Filters, Nonlinearities, Modeling 03
Electromagnetics, Microwaves, Receivers, Radio astronomy 09
Electromagnetics, Noise, Canonical forms, Probability, Modeling 04
Electromagnetics, Power plants, Electric fields, Magnetic fields, Measurement 08
Electromagnetics, Signal detection 06

erence, (continued)
ctromagnetics, Signal processing, Simulation ... 08016
ctromagnetics, Transmission lines, Computer aided analysis, Dissertation ... 06451
ctrostatics, Amplifiers, Voltage ... 03835
ers, Noise, Signal to noise ratio ... 05435
ers, Signal processing, Frequency ... 08836
quency, Noise, Signal processing, Telecommunications ... 01307
quency, Satellite communications, Antennae, Performance ... 03001
monics, Signal converters, Bridges, Transmission lines ... 01037
ge processing, Synchronization, Receivers, Error, Algorithms ... 02073
ulse generators, Electromagnetic fields, Probes ... 01786
thematical models, Radios, Mobile systems, Channels, Probability ... 01305
thematical models, Televisions, Receivers, Mobile systems ... 01383
tary engineering, Radio communications, Electronic warfare ... 00503
deling, Channels, Coding, Transmission ... 07926
dems, Filters, Signal processing, Numerical analysis, Performance ... 07990
se, Signal detection, Parameter estimation ... 01555
tics, Channels, Telecommunications, Lasers, Performance ... 05777
rtial discharges, Voltage, Radio frequency, Insulators ... 01916
ase shift keying, Noise, Filters, Signal processing, Feedback ... 02365
antization, Signal detection, Filters ... 03122
dar, Modeling, Estimation, Satellite communications, Algorithms ... 06302
dar, Polarization, Scattering, Atmospheric conditions ... 09511
diation, Systems design, Electromagnetic waves, Antennae ... 01654
dio communications, Signal detection, Filtering ... 03189
dios, Mobile systems, Signal transmission, Synchronization ... 01299
dios, Signal to noise ratio ... 01537
dios, Tracking, Satellites, Position control ... 08617
flector antennae, Radio astronomy, Minimum blocking conditions ... 04857
sonance, Photodevices, Absorption, Energy conversion ... 00223
tellite communications, Broadcasting, Linkages, Attenuation ... 03039
tellite communications, Broadcasting, Precipitation, Control systems, Loops ... 02980
tellite communications, Frequency, Management, Radios ... 01399
tellite communications, Modeling, Channels, Performance, Signal processing ... 07932
tellite communications, Modulation, Research and development ... 09407
tellite communications, Performance, Error, Modulation, Signal to noise ratio ... 07790
tellite communications, Signal processing, Microwave devices, Radios ... 00004
tellite communications, Spectral analysis ... 07941
tellite communications, Transmission ... 03652
miconductors, Software development, Circuitry, Thermodynamics, Simulation ... 05894
nal detection, Filtering, Pattern recognition ... 06384
gnal detection, Noise, Spread spectrum communications, History ... 02887
gnal detection, Parameter estimation ... 01549
gnal detection, Sensitivity, Dissertation ... 01559
gnal processing, Acoustics, Nondestructive testing ... 01976
gnal processing, Cables, Receivers ... 07894
gnal processing, Channels, Error, Probability, Fading ... 06318
gnal processing, Channels, Mobile systems, Radio communications ... 07688
gnal processing, Error correcting codes, Meteorology, Algorithms ... 04704
gnal processing, Integrated circuits, Simulation, CMOS, Crosstalk ... 08905
gnal processing, Radar ... 06297
gnal processing, Robustness, Radar, Dissertation ... 01560
gnal processing, Satellite communications, Dissertation ... 01306
gnal processing, Scanning, Quality control, Televisions, Displays ... 02952
gnal processing, Speech transmission, Noise, Attenuation, Filters ... 03082
gnal processing, Televisions, Modeling, Data bases, Channels ... 01392
gnal processing, Waveforms, Generators, Frequency, Converters ... 08432
gnal reception, Channels, Demodulation, Phase locked loops ... 09561
ignal transmission, Cables, Quality control, Velocity ... 04740
ignal transmission, Error, Channels, Satellite communications ... 01577
ignal transmission, Filters, Televisions ... 06163
ignal transmission, Quality control, Televisions, Interlaced scanning ... 01385
ignals, Electromagnetic waves, Radio frequency, Atmospheric conditions ... 00028
ignals, Noise, Acoustic variables measurement ... 07884
ignals, Phase locked loops, Simulation ... 01556
pectroscopy, Photovoltaic effect, Lasers, Ionization, Signal processing ... 02610
pread spectrum communications, Mathematical models, FH/MFSK ... 09569
elecommunications, Signal reception, Speech transmission, Echo suppressors ... 04650
eletext, Signal processing, Attenuation, Filtering, Computer aided control ... 01421
elevisions, Electromagnetics, Wind turbines, Generators, Signal transmission ... 06165
elevisions, Filters, Memory, Signal processing, Circuitry ... 02953
elevisions, Receivers, Antennae, Voltage, Impedance ... 08094
elevisions, Receivers, Broadcasting, Automation, Filtering ... 02964
racking, Signals ... 03115
raffic, Random variables, Data communications, Numerical analysis ... 07841
raffic, Scheduling, Orthogonality, Satellite communications ... 01403
ransmission lines, Signal to noise ratio, Televisions, Quality control ... 01036
oltage, Transmission lines, Telephones, Harmonics, Magnetic fields ... 01466
rferograms,
olynomial fit, Statistical analysis, Dissertation ... 02581
rferometers,
ielectrics, Waveguides, Couplers ... 05888
ielectrics, Waveguides, Modulation, Switching, Millimeter waves ... 04833
oppler shift, Signal detection, Backscattering, Reflection ... 04560
abry Perot interferometers, Ellipsometers, Computer aided control, Amplitude ... 07294
ar infrared, Lasers, Electron density, Tokamaks ... 06727
ber optics, Acoustics, Sensors, Filters, Lasers ... 07749
ber optics, Sensors, Research and development ... 03949
ourier transforms, Radiation, Spectral analysis, Microcomputers ... 03421
osephson junctions, Fabrication, Tunnel junctions, Shielding ... 04173
osephson junctions, Flux, Magnetic fields, Shift registers ... 01022
osephson junctions, Logic circuits, Superconductivity, Storage ... 04112
osephson junctions, Storage, Superconductivity, Electronic storage ... 04094
osephson junctions, Superconductivity, Integrated circuits, Current voltage ... 04073
osephson junctions, Superconductivity, Memory, Microelectronics ... 04062
osephson junctions, Writing, Superconductivity, Memory, Nondestructive testing ... 04063

Interferometers, (continued)
Junctions, Superconductors, Integrated circuits ... 04068
Lasers, Electron density, Measurement, Tokamaks, Plasmas ... 09046
Lasers, Frequency control, Computer aided control, Microcomputers ... 07341
Lenses, Optics, Reflection ... 08953
Logic circuits, Integrated circuits, Josephson junctions ... 04227
Logic circuits, Junctions, Superconductors, Switching ... 04083
Mach Zehnder interferometers, Photodetectors, Oscilloscopes, Fringe movement ... 05670
Michelson interferometers, Sensors, Lasers, Tuning, Theoretical analysis ... 07337
Millimeter waves, Dielectricity, Optical analysis, Materials testing ... 03487
Niobium, Josephson junctions, Fabrication, Magnetic fields ... 04087
Optics, Signal processing, Simulation, Spectral analysis ... 07290
Polarization, Cyclotrons, Tokamaks, Mirrors ... 06506
Polarization, Far infrared, Fourier transforms, Spectroscopy ... 07335
Polarization, Thin films, Thickness measurement, Lasers ... 03486
Radio frequency, Waves, Recording systems ... 01628
Reflection, Millimeter waves, Spectral analysis, Glass ... 08951
Ruby lasers, Plasmas, Refraction, Electron density ... 00945
Scanning, Infrared, Lenses, Optics ... 00875
Semiconductors, Reflectors, Switching, Stability, Dissertation ... 02450
Sensors, Rotating bodies, Gyroscopes, Fiber optics, Dissertation ... 04545
Spectral analysis, Speckle, Diffusion, Image processing ... 05731
Superconductivity, Josephson junctions, Switching, Threshold ... 04065
Thermal variables measurement, Refraction, Millimeter waves, Polystyrene ... 08950
Waveguides, Modulators, Electrooptics, Lithium niobate ... 00838
Interferometry,
Acoustics, Electromagnetic waves, Wave propagation, Lasers, Dissertation ... 01536
Arcs, Thermal variables measurement, Current, Pulse generation ... 00109
Atmospheric conditions, Turbulent flow, Resolution, Pattern recognition ... 00026
Density, Shock waves, Aerodynamics, Shear strength ... 00869
Diffraction gratings, Image processing, Dissertation ... 00900
Diffraction gratings, Image processing, Optics, Aberrations ... 07362
Diffraction gratings, Moire patterns, Pattern recognition, Optics ... 08947
Fiber optics, Image processing, Optimization, Focusing ... 00893
Fiber optics, Vibration, Displacement, Remote sensing, Dissertation ... 00886
Heat transfer, Wind tunnels, Convection, Solar collectors, Dissertation ... 01813
Holography, Aircraft engineering, Helicopters, Rotors, Blades, Transonic flow ... 03536
Holography, Fiber optics, Focusing, Optical systems ... 00995
Holography, Measurement, Supersonic flow, Boundary layers, Dissertation ... 00359
Holography, Moire patterns, Nondestructive testing ... 01002
Holography, Ruby lasers, Aerodynamics, Flow, Aerospace test facilities ... 05782
Lasers, Calibration, Acoustics, Emissions ... 06861
Magnetohydrodynamics, Electrons, Combustion, Faraday rotation ... 00164
Microwaves, Doppler shift, Radar, Biology, Dissertation ... 08420
Millimeter waves, Radioastronomy, Electromagnetic waves, Detectors, Mapping ... 04710
Modulators, Titanium lithium niobium trioxide, Waveguides, Ti:LiNbO$_3$ ... 09108
Nondestructive testing, Lenses, Optical transfer functions ... 02578
Optical systems, Lenses, Quality control ... 00874
Optics, Measurement, Mirrors ... 00877
Phases, Polarization, Microprocessors, Analog to digital conversion ... 00899
Photons, Light scattering, Image processing ... 00013
Radio frequency, Receivers, Noise, Space technology ... 07691
Salinometers, Remote sensing, Marine technology, Design ... 08681
Surface properties, Televisions, Quality control, Automation ... 08503
Temperature, Acoustooptics, Solar cells, Signals ... 00854
Thermal expansion, Dilatometers, Modulation, Recording systems ... 08380
Internal combustion engines,
Acoustic testing, Noise, Nondestructive testing, Dissertation ... 00354
Aircraft engineering, Aerospace test facilities ... 03628
Aircraft engines, Flow of gases, Compressible flow, Computer aided analysis ... 02076
Combustion, Modeling, Compression testing, Fuels, Thermodynamics ... 04860
Diagnostics, Mechanical defects, Acoustic emissions ... 01677
Microcomputers, Simulation, Ignition, Torque measurement, Velocity ... 02338
Microprocessors, Fault detection, Reliability ... 02342
Product development, Classification, Performance, Stirling engines ... 01706
Simulation, Computer aided control, Microcomputers ... 02335
Valves, Computer aided control, Ignition, Microcomputers ... 02337
Velocity measurement, Idle roughness metering ... 01675
Velocity measurement, Laser Doppler velocimetry ... 07426
Invar alloys,
Thermal expansion, Chips, Packaged components, Reliability, Microelectronics ... 07667
Inverters,
Asynchronous machines, Inductance, Capacitors ... 00119
Capacitors, Photovoltaics, Systems design, Voltage, Harmonics ... 01721
Circuitry, Oscillation, Modeling ... 02417
Circuitry, Pulse generation, Commutation, Current voltage ... 06595
Compensators, Circuitry, Energy storage components ... 08193
Current voltage, Induction motors, Electric fields ... 06538
Current, Voltage, Induction motors, Flux, Signal processing ... 01713
Design, Inductance, Harmonics, Current ... 08835
Design, Optimization, Circuitry, Voltage, Performance ... 08834
Electrical resistivity, Electrical conductivity, Modeling ... 03467
Electromagnetics, Loop antennae, Voltage ... 03206
Frequency, Induction motors, Drives, Torque ... 08158
Harmonics, Power systems, Semiconductors, Switches, Dissertation ... 06589
Indium phosphide, MISFET, Fabrication, Capacitance voltage ... 09243
Induction motors, Control systems, Current voltage, Frequency ... 06513
Induction motors, Frequency, Control systems, Costs ... 08157
Induction motors, Thyristors, Bridges, Pulse generation ... 06515
Logic circuits, Input, Gates, Sequences, Signal processing ... 04093
Logic circuits, Josephson junctions, Oscillators, Flip flops ... 04069
Logic circuits, Semiconductor lasers, Electrooptics, Signal converters ... 04010
Logic circuits, Silicon on sapphire, Metal oxide semiconductors, Counters ... 04409
Modeling, Channels, Metal oxide semiconductors, Field effect transistors ... 01197
Modulation, Bandwidths, Current voltage ... 04936
Modulation, Pulses, Drives, Control systems, Read only memory ... 03307

Inverters, (continued)
- MOSFET, Silicon, Temperature, Switching, Frequency ... 07605
- Photovoltaics, Harmonics, Power supply ... 01837
- Photovoltaics, Switching, Harmonics, Voltage, Motors ... 08874
- Power supply, Current voltage, Modulation ... 08151
- Power supply, Current voltage, Switches, Capacitors ... 06622
- Power supply, Reliability, Harmonics, Drives, Commutation ... 00120
- Power systems, Energy conversion, Electric power generation, Resonance ... 03378
- Power systems, Pulse generation, Bandwitchs, Modulation ... 04884
- Power systems, Solar cells, Switching, Harmonics ... 01776
- Product development, Superconductors, Integrated circuits, Switching ... 02617
- Railway engineering, Pulse generation, Optimization, Control systems ... 06560
- Synchronous motors, Torque measurement, Control systems, Damping ... 04883
- Thyristors, Induction, Heating, Melting ... 08224
- Thyristors, Voltage, Control systems, Harmonics ... 06598
- Torque control, Induction motors, Velocity ... 03271
- Transformers, Voltage, Waveforms, Modulation ... 08837
- Transistors, Oscillation, Modeling ... 05484
- Transistors, Switches, Amplifiers, Inductors, Capacitors ... 07196
- Transistors, Transportation, Controllers, Power systems ... 03301
- Transistors, Voltage, Power systems, Transportation ... 03300
- Voltage, Frequency, Electric power transmission, Current ... 06593
- Voltage, Generators, Electric power distribution, Control systems ... 08172
- Voltage, Inductance, Switches, Capacitors, Filters ... 07140
- Voltage, Transformers, Waveforms, Harmonics ... 02455
- Waveforms, Harmonics, Commutation, Fabrication ... 07214

Iodine,
- Lasers, Pumping, Kinetics, Solar energy ... 08982
- Lasers, Pumping, Pulse generation, Amplifiers ... 00981
- Magnetics, Dipoles, Lasers, Absorption, Resonance ... 07349
- Radioisotopes, Dosimetry, Mass spectrometry, Astrophysics ... 00304

Ion engines,
- Rocket engines, Propellants, Argon, Thrust measurement ... 03267

Ion implantation,
- Annealing, Electron beams, Heat treatment, Semiconductors ... 05899
- Annealing, Xenon, Silicon, Solar cells ... 00778
- Boron, Silicon, Gallium arsenide, MESFET, Fabrication ... 05967
- Chemical vapor deposition, Noise, Field effect transistors, Semiconductors ... 04408
- Etching, Channels, Transistors, Metal oxide semiconductors, Dissertation ... 02761
- Gallium arsenide, Annealing, Carrier density, Hall effect, Integrated circuits ... 09294
- Gallium arsenide, Chromium, Annealing, Thermal variables measurement ... 07671
- Gallium arsenide, MESFET, Fabrication, Channels ... 04430
- Gallium arsenide, MESFET, Transconductance, Carrier mobility ... 09253
- Gallium arsenide, Microwaves, MESFET, Integrated circuits ... 04831
- Indium antimonide, Pn junctions, Beryllium, Current voltage, Logic circuits ... 08414
- Indium gallium arsenide, Beryllium, Field effect transistors ... 01192
- Magnetics, Domains, Detectors, Design ... 05816
- MESFET, Transistors, Gallium arsenide, Frequency, Performance ... 07599
- Metal oxide semiconductors, Capacitance voltage, Dielectricity, Silicon, Oxides ... 05960
- MODFET, Transistors, Fabrication, Transconductance, Current voltage ... 05968
- Np junctions, Solar cells, Bandwidths, Sensors ... 00779
- Pn junctions, Annealing, Doping, Metal oxide semiconductors ... 02747
- Refractories, Integrated circuits, Etching, Oxidation ... 01246
- Semiconductors, Annealing, Irradiation, Lasers ... 02607
- Silicon dioxide, Boron, Traps, Thermal variables measurement ... 05959
- Silicon, Schottky diodes, Damage ... 05913
- Silicon, Solar cells, Fabrication, Annealing ... 05637
- Silicon, Solar cells, Fabrication, Current density ... 03943
- Silicon, Solar cells, Fabrication, Masks, Pnn junctions ... 05653
- Silicon, Solar cells, Flash lamps, Annealing ... 08879
- Silicon, Solar cells, Junctions, Electrons, Annealing ... 05624
- Silicon, Solar cells, Phosphorus, Annealing, Current voltage ... 05629
- Silicon, Solar cells, Surface properties, Etching ... 08875
- Thin films, Waveguides, Couplers, Lithium niobate, Dissertation ... 04322

Ionic conduction,
- Ions, Scattering, Ceramics, Rutherford backscattering, Nuclear reactions ... 06722

Ionization,
- Additives, Power supply, Pulse generation, Gas lasers ... 00969
- Breakdown, Discharges, Potentials, Pressure, Spark gaps ... 05568
- Breakdown, Voltage, Diodes, Silicon ... 09080
- Charge coupled devices, Interfaces, Charge mobility, Dissertation ... 02849
- Corona discharges, Carbon dioxide, Gas lasers, Optimization ... 07402
- Current, Measurement, Gases, Least squares estimation ... 09077
- Discharges, Helium, Spark chambers, Streamer theory ... 08511
- Discharges, Spark gaps, Helium, Electrodes ... 07460
- Electrodes, Discharges, Current density, Corrosion ... 09078
- Electrodes, Plasmas, Perturbation ... 04297
- Gallium arsenide, Electrons, Impact testing, Pn junctions ... 00267
- Gas lasers, X-rays, Ultraviolet, Electron density ... 09027
- Lasers, Excitation, Decay ... 05746
- Lasers, Photovoltaic effect, Signal processing, Interference, Spectroscopy ... 02610
- Photovoltaic effect, Pressure, Electric fields ... 05810
- Resolution, Fluorimeters, Scintillation ... 02008
- Ultraviolet, Carbon dioxide, Gas lasers, Optimization ... 00975

Ionizing radiation,
- Radioisotopes, Measurement, Instrumentation, Government regulations ... 00761

Ionosphere,
- Electromagnetic fields, Wave propagation, Maxwell equations ... 00317
- Electron density, Power, Spectral analysis ... 07065
- Electrons, Collisions, Geomagnetism, Wave propagation, Numerical analysis ... 08664
- Electrons, Ions, Collisions, Stability ... 07075
- Modeling, Current, Geomagnetism ... 07041
- Plasmas, Current voltage, Stainless steel, Space technology, Scaling laws ... 08284
- Plasmas, Modeling, Wave propagation, Transmitters, Heterodyne reception ... 07072
- Radio frequency, Spectral analysis, Reflection, Doppler shift ... 06444
- Signals, Radios, Waves, Measurement, Receivers ... 01638

Ionosphere, (continued)
- X-rays, Scattering, Polarization, Spectral analysis ... 0

Ions,
- Accelerators, Electrons, Drift mobility, Klystrons ... 0
- Beryllium, Alloys, Gold, Fabrication ... 0
- Beryllium, Lasers, Cooling, Clocks ... 0
- Channels, Current, Pacemakers, Biology ... 0
- Concentration, Annealing, Temperature, Metal oxide semiconductors ... 0
- Conductors, Electrodes, Interfaces, Noise, Ceramics ... 0
- Contamination, Adhesives, Microelectronics, Semiconductors ... 0
- Cyclotrons, Mass spectrometers, Superconductivity, Magnets ... 0
- Diodes, Electron beams, Fusion ... 0
- Dissociation, Electric fields, Mass spectrometry ... 0
- Electric fields, Americium, Particle size, Aerosols, Charge ... 0
- Electrons, Collisions, Ionosphere, Stability ... 0
- Energy transfer, Laser spectroscopy, Fluorescence ... 0
- Etching, Materials testing, Microelectronics, Electrooptics ... 0
- Etching, Pyroelectricity, Sensors, Lithium niobate ... 0
- Fluorescence, Sensors, Concentration, Measurement ... 0
- Gas lasers, Signal processing, Ion collectors ... 0
- Ion bombardment, Deuterons, Semiconductor lasers, Fabrication, InP/InGaAsP ... 0
- Ion bombardment, Pn junctions, Indium phosphide, Diodes, Fabrication ... 0
- Lasers, Switches, Glow discharge, Control systems, Photodetachment ... 0
- Plasmas, Lasers, Magnetic fields, Signal processing, Dissertation ... 0
- Plasmas, Metals, Magnetic fields, Beam propagation ... 0
- Plating, Solar cells, Coatings ... 0
- Pulse generation, Magnetic fields, Diodes ... 0
- Radiation dosimetry, Electrons ... 0
- Resonance, Cyclotrons, Spectrometers, Dissertation ... 0
- Resonators, Cavities, Infrared, Pulse generation, Lasers ... 0
- Scattering, Ionic conduction, Rutherford backscattering, Nuclear reactions ... 0
- Simulation, Ion implantation, Electromagnetics, Wave propagation ... 0
- Space charge, Dosimetry, Transmission lines, Counters ... 0
- Vibration, Heat treatment, Dye lasers, Dissertation ... 0

Iron,
- Alloys, Nickel, Electrodeposition, Electrochemical reactions, X-rays ... 0
- Alloys, Polarization, Defects, Electrodes, Potentials ... 0
- Argon, Hollow cathodes, Discharges ... 0
- Composite materials, Epoxy resins, Permanent magnets, Design, Dissertation ... 0
- Crystal defects, Neutrons, Irradiation, Transmission electron microscopy ... 0
- Density, Saturation, Impedance, Rotors ... 0
- Diffusion, Gallium arsenide, Crystal defects, Pressure ... 0
- Doping, Gallium arsenide, Diodes, Current voltage ... 0
- Doping, Indium phosphide, Photoconductivity, Electric fields ... 0
- Doping, Indium phosphide, Photoconductors, Dye lasers, Excitation ... 0
- Ferromagnets, Magnetooptics, Emissions, Thermal variables measurement ... 0
- Foils, Lasers, Irradiation, X-rays, Emissions ... 0
- Granular materials, Fracture, Ultrasonics, Acoustic waves ... 0
- Minerals and ores, Magnetite, Magnetics, Oscillators ... 0
- Rayleigh scattering, Electromagnetics, Acoustics, Wave propagation ... 0
- Sensors, Electric variables control, Nickel, Alloys, Materials testing ... 0

Iron alloys,
- Powder metallurgy, Grinding, Arc welding, Process development ... 0

Iron nitride,
- Recording systems, Magnetic tapes, Audio systems, Video systems ... 0

Iron oxide,
- Thermal variables control, Magnetic variables control, Recording systems ... 0

Irradiation,
- Damage, Polymers, Nickel, Hydrogen, Cells ... 0
- Electrons, Excitation, Thin films, Electroluminescence, Displays ... 0
- Electrons, Gallium arsenide, Diodes, Current voltage, Temperature ... 0
- Electrons, Semiconductors, Switching ... 0
- Electrons, Silicon, Solar cells, Performance, Degradation ... 0
- Electrons, Solar cells, Defects, Fabrication, A-Si:H ... 0
- Electrons, Thin films, Luminescence, Excitation, ZnSe:Mn ... 0
- Far infrared, Superconductivity, Tunnel junctions, Josephson junctions ... 0
- Gamma radiation, Gallium arsenide, Light emitting diodes, Photoemissions ... 0
- Gamma radiation, Metal oxide semiconductors, Capacitors, Voltage, Trapping ... 0
- Gamma radiation, Polyvinylidene fluoride, Switching, Current ... 0
- Helium, Ruby lasers, Breakdown ... 0
- Lasers, Annealing, Semiconductors, Ion implantation ... 0
- Lasers, Dielectrics, Surface properties, Defects ... 0
- Lasers, Metals, Foils, X-rays, Emissions ... 0
- Lasers, Plasmas, Dynamics, Thermal variables measurement ... 0
- Lasers, Titanium dioxide, Silicon dioxide, Films, Dielectrics, Waveguides ... 0
- Lasers, Yttrium iron garnet, Doping, Current voltage, Thermistor-bolometers ... 0
- Microwaves, Bridges, Current voltage, Thermal variables measurement ... 0
- Microwaves, Far infrared, Lasers, Resonance, Modulation ... 0
- Microwaves, Thermography, Surface properties, Dissertation ... 0
- Neutrons, Composite materials, Superconductivity, Nb_3Sn-Cu ... 0
- Neutrons, Germanium, Doping, Field effect transistors, Bolometers ... 0
- Neutrons, Iron, Transmission electron microscopy, Crystal defects ... 0
- Neutrons, Steel, Nuclear reactors, Pressure vessels, Dosimetry ... 0
- Neutrons, Superconductivity, Crystal defects, V_3Si ... 0
- Nuclear reactors, Dosimetry, Irradiation, ^{85}Kr ... 0
- Oscillators, Metal oxide semiconductors, Logic circuits, Current, Bias ... 0
- Phase shifts, Radio frequency, Transmission lines, Broadcasting, Distortion ... 0
- Photoresists, Ultraviolet, Excimer lasers, $Ag_2Se/GeSe_2$ ... 04
- Protons, Gallium arsenide, Light emitting diodes, Degradation ... 08
- Protons, Gallium arsenide, Single crystals, Solar cells, Photovoltaic effect ... 0
- Protons, Gallium arsenide, Solar cells, Short circuits ... 05
- Radio waves, Niobium, Bridges, Structural analysis ... 04
- Schottky diodes, Semiconductors, Charge carriers, Diffusion ... 04
- Silicon, Metal oxide semiconductors, Field effect transistors, Power systems ... 0
- Solar cells, Performance, Space technology, AlGaAs-GaAs ... 0
- Solar cells, Photovoltaics, Shading ... 0

diation, (continued)
ltraviolet, Insulators, Vacuum technology, Dissertation 05085
Vire, Cables, Technology, Radiation, Dosimetry 03430
ET,
ield effect transistors, Electrochemistry, Charge, Sensors 04426
topes,
eparators, Gas lasers 07397
y,
ir traffic control, Research and development, Navigation 07856
utomotive engineering, Artificial intelligence, Production control, Robots 03613
artography, Mapping, Computer graphics, Interactive systems, Telephone company 02260
iovernment programs, Research and development, Space stations 08594
ocal area networks, Private branch exchange, Integrated systems 01442
obots, Manufacturing, Mechanical handling, Welding, Research and development 02032

an,
rtificial intelligence, Speech recognition, State of the art 04677
atteries, Lead, Acids, Energy conservation 06656
ata processing centers, Systems design, Packet switching 09438
ata transmission, Fiber optics, Channels 01365
lectric power generation, Energy conversion, Superconductivity 04251
iber optics, Business forecasting, Capital investment 00841
ndustrial plants, Production control, Robots 08522
ntegrated circuits, Importing, Economics, Demand analysis, United States 02779
asers, Sheet metalworking, Industry, Economics, Research and development 04049
ocal area networks, Transmission, Fiber optics, State of the art 07739
larine engineering, Telecommunications, INMARSAT 09412
leteorology, Satellite communications, Manufacturing, Data collection 05377
letworks, Transmission, Research and development 09574
Office automation, Word processing, Teletex 09433
attern recognition, Videotex, Telecommunications, Information systems 06126
adio communications, Mobile systems, Transmission, Modulation 09315
esearch and development, Artificial intelligence, Speech recognition 04678
esearch and development, Circuitry, Graph theory, Combinatorial mathematics 07159
esearch and development, Electronic mail 09432
esearch and development, Mechanical handling, Robots, State of the art 05173
esearch and development, Superconductivity, Magnets 04165
obots, Computer aided manufacturing, Man machine interactions 08551
obots, Mechanical handling, Welding, Programming, Research and development 02025
obots, Research and development, Technological forecasting 08570
obots, Specifications, Arc welding, Assembling 05172
atellite communications, Broadcasting, Spacecraft, Attitude control 02975
atellite communications, Research and development 06978
pace technology, Performance, Satellite communications 02083
uperconductivity, Solenoids, Cryogenics, Magnets 04264
echnological forecasting, Research and development, High-tech market 02461
elecommunications, Consumer electronics, Technology 09437
elecommunications, Fiber optics, Research and development 02912
elecommunications, Mobile systems, Facsimile systems 09426
elecommunications, Research and development 01435
elecommunications, Switching, State of the art 09600
elecommunications, Technology, Economics, Research and development, History 06101
elecommunications, Transmission, Switching, Reliability 09415
elecommunications, United States, Sociology, Manufacturing 02878
elecommunications, Videotex, CAPTAIN, State of the art 09344
elephones, Communication networks, Government policies, Technology 02877
engines,
Shielding, Noise abatement, Frequency, Attenuation, Dissertation 00469
Testing, Computer aided analysis 00459
s,
Fluidics, Controllers, Sensors 00401
Radio frequency, Magnetic fields, Electromagnetic waves, Radio astronomy 00585
Supersonic flow, Fluorescence, Sodium, Signal processing 00901
sephson effect,
ndium, Bridges, Charge, Circuitry 05804
Magnetics, Flux, Shift registers, Computer applications 07451
Memory, Cells, Design, Optimization 09295
Tunnel junctions, Niobium, Fabrication, Current density, Lithography 05805
sephson junctions,
Alpha radiation, Tunnel junctions, Current density, Switching 04208
Amplifiers, Noise, Superconductivity 04118
Analog to digital converters, Superconductivity, Logic circuits 04064
Arrays, Current voltage, Frequency, Noise, Dissertation 01018
Breakdown, Tunnel junctions, Noise 04162
Circuitry, Thermal noise, Computer aided analysis, Dissertation 09061
Computer aided control, Integrated circuits, Cryogenics 04239
Controllers, Optics, Structural analysis, Memory, Technology 05799
Current density, Superconductivity, Electric fields, Schottky diodes 04218
Current density, Tunnel junctions, Fabrication 04240
Current density, Tunnel junctions, Magnetrons, Schottky diodes 04221
Current density, Tunnel junctions, Schottky diodes, Superconductivity 04168
Current, Numerical analysis, Thermal variables measurement 04230
Current voltage, Integrated circuits, Superconductivity, Bridges 04171
Current voltage, Microwaves, Integrated circuits, Oscillators 04236
Current voltage, Radio frequency, Integrated circuits 04101
Fabrication, Superconductivity, Tunnel junctions, Millimeter waves 04224
Fabrication, Temperature, Current density, Current voltage 04175
Far infrared, Couplers, Antennae 00059
Flux, Voltage, Frequency, Superconductors, Dissertation 01020
Fluxons, Magnetic fields, Microwaves, Emissions 04180
njection, Current, Logic circuits, Inductors, Switching 04082
ntegrated circuits, Logic circuits, Analog to digital converters, Decoders 04080
ntegrated circuits, Logic circuits, Interferometers 04227
ntegrated circuits, Logic circuits, Superconductivity, Resistivity, Connectors 04074

Josephson junctions, (continued)
Integrated circuits, Niobium, Magnetrons, Sputtering, Tunnel junctions 04462
Interferometers, Fabrication, Tunnel junctions, Shielding, Superconductivity 04173
Interferometers, Shift registers, Magnetic fields, Flux 01022
Interferometers, Storage, Superconductivity, Logic circuits 04112
Interferometers, Writing, Superconductivity, Memory, Nondestructive testing 04063
Lead, Alloys, Thermal variables measurement, Stability, Fabrication 04216
Logic circuits, Counters, Fabrication, Simulation 09286
Logic circuits, Current voltage, Injection, Signal converters 04078
Logic circuits, Decoders, Memory, Damping, Fabrication 04084
Logic circuits, Decoders, Velocity, Current 04081
Logic circuits, Delay, Integrated circuits 02616
Logic circuits, Fabrication 01250
Logic circuits, Fabrication 05988
Logic circuits, Monte Carlo method, Statistical analysis, Integrated circuits 04071
Logic circuits, Packaged components, Signal processing, Superconductivity 04176
Logic circuits, Phase transitions, Noise, Superconductivity, Switching 04077
Logic circuits, Superconductivity, Signal processing, Simulation 04076
Magnetic fields, Numerical analysis 04231
Magnetic fields, Oscillation, Resonance 04234
Magnetic fields, Resonance, Current voltage, Mathematical models 04233
Magnetic fields, Tunnel junctions, Current, Superconductivity 05803
Methyl fluoride, Gas lasers, Pumping, Frequency, Measurement 07406
Microprocessors, Modeling, Circuitry, Transmission lines, Current voltage 04294
Microwaves, Magnetic fields, Emissions 04110
Microwaves, Oscillators, Superconductivity, Voltage 04053
Modeling, Waveforms, Superconductivity 04163
Modulation, Superconductivity, Tunnel junctions, Integrated circuits 04235
Niobium, Current density, Microwaves, Current voltage 04098
Niobium, Interferometers, Fabrication, Magnetic fields 04087
Noise, Resistors, Shunts, Superconductivity 04188
Noise, Superconductivity, Current, Tunnel junctions 04157
Noise, Tunneling, Superconductivity 04186
Oscillation, Numerical analysis 04247
Oscillators, Logic circuits, Inverters, Flip flops, Integrated circuits 04069
Oscillators, Numerical analysis, Dissipation 04184
Power supply, Logic circuits, Packaged components, Integrated circuits 04270
Signal processing, Integrated circuits, Logic circuits, Superconductivity 04102
Signal processing, Oscillators, Noise, Phase locking, Receivers 05534
Simulation, Tunnel junctions, Logic circuits, Time measurement, Current 04075
Spectroscopy, Electromagnetic fields, Superconductivity 04120
SQUID, Optimization, Noise, Capacitance, Computer aided analysis 05798
Storage, Superconductivity, Interferometers, Electronic storage 04094
Superconductivity, Amplifiers, Simulation 04117
Superconductivity, Frequency, Noise 04207
Superconductivity, Interferometers, Integrated circuits, Current voltage 04073
Superconductivity, Logic circuits, Integrated circuits, Flux, Trapping 04072
Superconductivity, Logic circuits, Systems design, Current density 04079
Superconductivity, Memory, Microelectronics, Interferometers 04062
Superconductivity, Niobium, Thin films 02615
Superconductivity, Resistors, Tunnel junctions, Integrated circuits 04512
Superconductivity, Signal converters, Mixers 03873
Superconductivity, Striplines, Magnetic fields, Coupling 04119
Superconductivity, Switching, Noise, Tunnel junctions, Signal converters 04177
Superconductors, Microelectronics, Fabrication, Bridges, Dissertation 02613
Switching, Hysteresis, Tunneling, Voltage 01015
Switching, Superconductivity, Interferometers, Threshold 04065
Switching, Voltage, Superconductivity, Electrical resistivity, Simulation 04150
Thermal variables measurement, Current density, Tunnel junctions 04161
Thin films, Magnetic fields, Tunnel junctions, Fabrication 04189
Transmission lines, Inductance, Mathematical models, Computer aided analysis 04267
Traveling waves, Transmission lines, Voltage, Numerical analysis 09096
Tunnel junctions, Current density, Current voltage 04243
Tunnel junctions, Current voltage, Doping, Lead 04215
Tunnel junctions, Current voltage, Magnetic fields 04244
Tunnel junctions, Electromagnetics, Coupling, Films 09062
Tunnel junctions, Fabrication, Current voltage, Microelectronics, Nb_3Sn-Pb 07447
Tunnel junctions, Integrated circuits, Current density 04222
Tunnel junctions, Integrated circuits, Logic circuits, Niobium 04070
Tunnel junctions, Microwaves, Superconductivity, Magnetics, Networks 04178
Tunnel junctions, Refractories, Interfaces, Current density 04105
Tunnel junctions, Schottky diodes, Superconductivity, Interfaces 04219
Tunnel junctions, Sputtering, Film growth, Temperature, NbN/Pb 04203
Tunnel junctions, Superconductivity, Current, Oscillation 04193
Tunneling, Diodes, Fabrication, Current density 01014
Tunneling, Irradiation, Far infrared, Superconductivity, Tunnel junctions 04067
Tunneling, Lead, Cadmium sulfide, Current voltage, Conductance 04167
Junctions,
Capacitance, Current voltage, Loops 05903
Charge coupled devices, Logic circuits, Computer aided design 06036
Electric fields, Potentials, Doping, Concentration 01943
Electrical resistivity, Evaporation, Photodiodes 00772
Electrodes, Bridges, Superconductivity, Proximity effect, SN-N-NS 05800
Field effect transistors, Random access memory, Integrated circuits 04434
Germanium, Silicon, Schottky diodes, Current voltage, Capacitance voltage 02712
Light emitting diodes, Fiber optics, Transmission, Telephones 09369
Metal oxide semiconductors, Dielectric permittivity, Thickness measurement 02689
MTOS, Signal processing, Amplification, Transistors, Dissertation 05975
MTOS, Switching, Bistability, Charge 09232
Photodevices, Semiconductors, Schottky diodes, Dissertation 00770
Photodiodes, Tunneling, Dark conduction, Mercury cadmium telluride 07260
Power, Dividers, Circuitry 08085
Schottky barriers, Fabrication, Metals, Semiconductors, Book 07553
Schottky diodes, Band gaps, Trapping, Capacitance, Semiconductors 01137
Semiconductors, Chemical vapor deposition, Gallium indium arsenide, Solar cells 02701
Semiconductors, Fabrication, Solar cells, Films 00780

Junctions, (continued)
- Semiconductors, Numerical analysis, Potentials, Voltage 02695
- Semiconductors, Striplines, Optical analysis, Heterostructure lasers 00989
- Service life, Photovoltaics, Charge carriers 00789
- Silicides, Integrated circuits, Metal oxide semiconductors, Schottky barriers 07669
- Silicon, Metal oxide semiconductors, Annealing, Programming languages, Modeling 09206
- Silicon, Solar cells, Current voltage, Injection 05643
- Silicon, Solar cells, Ion implantation, Electrons, Annealing 05624
- Silicon, Solar cells, Open circuit voltage, Phosphorus, Precipitation 05626
- Solar cells, Capacitance, Calibration, Resistivity 02521
- Solar cells, Drift, Space charge, Voltage 02514
- Solar cells, Recombination, Schottky barriers, Thin films, Book 08884
- Superconductors, Interferometers, Integrated circuits 04068
- Superconductors, Logic circuits, Interferometers, Switching 04083
- Superconductors, Mixers, Current voltage, Frequency, Noise 04169
- Superconductors, Temperature, Current density, Magnetic variables measurement 02612
- Thermal variables measurement, Schottky diodes, Photodiodes 00771
- Thermocouples, Thermal variables measurement, Dynamics 07462
- Transistors, Fabrication, Diffusion, Planar processes, InGaAsP/InP 09239
- Transistors, Resistance, Frequency 01171
- Transmission lines, Waveguides, Filters, Tuning 07488
- Tunneling, Temperature, Capacitance voltage, Electric fields 02725
- Waveguides, Diffusion, Stability, Heterostructure lasers 00923
- Waveguides, Transmission lines, Modes 01044

Kalman filters,
- Coatings, Thin films, Film growth, Signal processing, Computer aided analysis 07896
- Computed tomography, Scanners, Diagnostics, Covariance, Dissertation 06345
- Refraction, Electromagnetics, Wave propagation, Navigation, Space technology 09492
- Satellite communications, Charge coupled devices, Transforms, Error 02101
- Sensors, Tracking, Position control 09493

Kenya,
- Capital investment, Electric power transmission, Modeling, Dissertation 00233

Kerr effect,
- Magnetization, Heat treatment, Cobalt, Alloys, Samarium 05853

Kinematics,
- Control systems, Recording systems, Holography 07423
- Electrochemistry, Paper industry, Inspection, Magnetic variables measurement 02657
- Electromigration, Thin films, Aluminum, Alloys 07239
- Energy storage components, Electrolytes, Oxidation, Current voltage, Fuel cells 01796
- Hydrodynamics, Beams, Modeling, Flow of gases 08287
- Image processing, Flow, Robots, Cameras, Sensitivity analysis 05713
- Modeling, Computer aided control, Flow, Lasers, Numerical analysis 05737
- Nuclear reactors, Stochastic processes, Noise, Modeling, Numerical analysis 04978
- Optics, Photometers, Spectral analysis, Microcomputers, Dissertation 03982
- Polarization, MNOS, Transistors, Temperature, Electric fields 05931
- Position control, Manipulators, Robots, Dynamics, Dissertation 03608
- Positron emission tomography, Radioisotopes, Biology, Physiology 00518
- Robots, Adhesives, Seals, Control systems, Computer aided manufacturing 06917
- Robots, Manipulators, Mechanical handling, Numerical analysis 08569
- Robots, Manipulators, Modeling, Transformations, Laboratories 08572
- Robots, Mechanical handling, Computer aided control, Pneumatic systems 05198
- Robots, Modeling, Velocity control 03611
- Semiconductor lasers, Pulse generation, Recombination, Injection 07381
- Software development, Manipulators, Robots, Simulation 00394
- Software development, Mechanical handling, Robots 00394
- Transmission lines, Solitons, Wave propagation, Coupling 06416
- Waveguides, Lasers, Amplifiers, Magnetic fields 00935

Kinetics,
- Lasers, Pumping, Solar energy, Iodine 08982
- Ruby lasers, Emissions, Coupling, Numerical analysis 08998
- Trapping, Silicon nitride, Films, NMOS, Photoelectric effect 07559

Klystrons,
- Amplifiers, Signal processing, Radar, Transmitters, Accelerators 08859
- Drift mobility, Electrons, Ions, Accelerators 08513
- Free electron lasers, Design, Power supply, Wavelengths 02585
- Gunn effect, Oscillators, Tuning, Waveguides 06452
- Harmonics, Oscillators, Energy, Spectral analysis 00734
- Noise, Lasers, Modes, Oscillators 00996
- Oscillators, Gain, Wavelengths, Cherenkov radiation 00735
- Traveling wave tubes, Amplifiers, Satellites 01418

Krypton,
- Dosimetry, Irradiation, Pressure vessels, Nuclear reactors, ^{85}Kr 00739
- Gas lasers, Pumping, Fluorescence, Spectral analysis, Sodium 06740
- Photoelectric effect, Stability, Aluminum gallium arsenide 04026

Krypton fluoride,
- Gas lasers, Discharges, Pumping, Electron beams, Control systems 08976
- Gas lasers, Fusion 09013

Labor economics,
- Drainage, Mapping, Channels, Algorithms, Computer aided analysis 00548

Labor relations,
- Manufacturing Automation, Robots 05210

Laboratories,
- Computer aided instruction, Education, Machining, Control systems 08145
- Design, Neurophysiology, Recording systems 05324
- Electric power generation, Education, Modeling, Computer aided control 05432
- Fiber optics, Displays, Helicopters, Image processing, Scanners 05246
- Lasers, Research and development, Industry, Combustion, Gases 05784
- Robots, Manipulators, Modeling, Kinematics, Transformations 08572
- Transformers, Oil, Measurement, Instrumentation, Research and development 04920
- Weapons, Research and development, Detectors, Neutron diffraction, Scattering 05155

Lactose,
- Optical properties, Second harmonic generation 06

Laminar flow,
- Boundary layers, Wave propagation, Acoustics, Anemometers 01

Lamps,
- Fluorescence, Design, Optimization, Service life 03
- Metal halides, Acoustics, Resonance, Frequency 04
- Tungsten, Diffusion, Noble gases, Optical systems 03

Landing gear,
- Aircraft, Guidance and control systems, Sensors, Filters, Microwave devices 03
- Distance measurement, Standards, Avionics, Microwaves 06
- Microwaves, Avionics, Standards, Distance measurement 06
- Military aircraft, Specifications, Testing 02
- Vortices, Aerospace simulation, Guidance and control systems, Displays 00

Landsat,
- Natural gas, Habitats, Environmental monitoring, Dissertation 02
- Remote sensing, Cartography, Pennsylvania 02

Large scale integration,
- Bipolar devices, Logic circuits, Delay 04
- Circuitry, Bipolar devices, Optimization, Modeling, Oxidation 06
- Gallium arsenide, Logic circuits, Field effect transistors, Simulation 04
- Integrated circuits, Modeling, Simulation, Memory 04
- MOSFET, Silicon, Temperature, Inverters, Switching 07
- Redundancy, Inspection, Fault tolerance, Metal oxide semiconductors, Silicon 09
- Redundancy, Read only memory, Circuitry, Programming, Research and development 04
- Telemetry, Microprocessors, Instrumentation, Calibration, Data transmission 04

Large scale systems,
- Networks, Synthesis, Graph theory 07

Laser diodes,
- Quality control, Image processing, Video systems 00

Lasers,
- Acoustics, Modulation, Feedback, Refractive indices 00
- Acoustics, Optics, Signal processing, Waves 09
- Acoustooptics, Attenuation, Frequency, Modulators, Heterodyne reception 08
- Acoustooptics, Modulators, Alignment 00
- Acoustooptics, Spectroscopy, Absorption, Photons, Thallium halides 02
- Aluminum gallium arsenide, Capacitance voltage, Frequency 08
- Amplifiers, Excitons, Decay, Frequency 08
- Amplifiers, Modulators, Noise, Computer aided analysis 00
- Amplifiers, Optical analysis 08
- Amplifiers, Plasma heating, Radiation, Nuclear reactions 06
- Amplitude, Modulation, Computer aided control 07
- Anemometers, Flowmeters, Velocity, Hydrodynamics 02
- Anemometers, Granular materials, Statistical analysis, Computer aided analysis 01
- Anemometers, Velocity, Measurement, Flow, Signal processing 03
- Anemometry, Meteorology, Wind energy, Velocity 00
- Annealing, Modes, Silicon, Surface acoustic waves, Resonators 07
- Arrays, Diodes, Memory, Optical storage, Recording systems 09
- Arrays, Phase shifts 04
- Betatrons, Accelerators, Design, Magnetic fields 08
- Bipolar transistors, Heterojunctions, Molecular beam epitaxy 02
- Business forecasting, Economics, Government policies, Marketing 00
- Business forecasting, Production planning, Precision engineering 00
- Carbon dioxide, Flow of gases, Probes, Measurement, Thermodynamics 05
- Carbon dioxide, Flow, Pulses, Research and development 05
- Carbon dioxide, Reliability, Production, Technology 05
- Carbon dioxide, Research and development, Reliability, Design 05
- Carbon tetrafluoride, Pumping, Power, Oscillators 07
- Chemical lasers, Signal processing, Power, Modeling 07
- Coatings, Optics, Technology, Measurement 09
- Communications, Economics, State of the art, Technological forecasting 01
- Communications, Scaling, Amplifiers, Raman effect 00
- Computer applications, Gases, Optical analysis, Dissertation 05
- Cooling, Beryllium, Ions, Clocks 06
- Copper, Flow of gases, Pulses, Frequency, Numerical analysis 08
- Copper, Optimization, Excitation, Frequency, Pressure 07
- Couplers, Diffraction gratings, Filters, Infrared, Millimeter waves 06
- Coupling, Optics, Spectral analysis 07
- Coupling, Optics, Wave propagation 07
- Coupling, Stability, Current, Temperature 08
- Crystal growth, Metal oxide semiconductors, Field effect transistors 02
- Crystal growth, Pulse generation, Heating systems, Annealing 01
- Crystallization, Polysilicon, Resistors, Pressure, Sensors 08
- Crystallization, Silicon, Metal oxide semiconductors, Fabrication, Transistors 09
- Crystallization, Silicon, NMOS, Transistors, Fabrication 07
- Cutting, Aircraft engineering, Composite materials, Computer graphics, Nesting 04
- Cutting, Replication, Polymers, Optical storage 01
- Cutting, Resistors, Automation, Precision engineering 00
- Data collection, Clinical medicine, Forms management, Design, Printers 02
- Data transmission, Fiber optics, Technological forecasting, Modulation 01
- Design, Electron beams, Glow discharge, Mercury 07
- Deuterium oxide, Resonators, Pulse generation, Millimeter waves 01
- Diagnostics, Diseases, Blood 07
- Diffraction gratings, Photodevices, Spectroscopy, Four wave mixing 01
- Diffraction, Waveguides, Pattern recognition, Beam propagation 00
- Diodes, Coupling, Lenses, Fiber optics 09
- Diodes, Gallium arsenide, Optical communications, Reliability 09
- Diodes, Liquid phase epitaxy, Indium gallium arsenic phosphide 09
- Discharges, Cells, Electrodes, Optogalvanic spectroscopy 07
- Dispersion, Theoretical analysis, Distributed feedback lasers 04
- Distance measurement, Pattern recognition, Software development, Scene analysis 00
- Doppler anemometers, Velocity, Measurement, Nuclear reactors, Rod bundles 07
- Electromagnetic waves, Power, Measurement, Calorimetry 06
- Electron beams, Gain, Emissions, X-rays 00
- Electron beams, Machining, Physical properties, Technology 05
- Electron beams, Pulse generation, Cyclotrons, Oscillation 01

ers, (continued)
ectron guns, Voltage, Energy bands, Pulse generation 00934
ectrons, X-rays, Bragg reflection, Resonators 05734
ectrooptics, Modulators, Thermal variables measurement 00840
merald, Pumping, Excitation, Tuning 05743
missions, Computer aided analysis 08983
missions, Excitation, Emerald 04016
missions, Pumping, Far infrared 09030
tching, Integrated circuits, CMOS, Performance, Optimization 09050
xcitation, Gases, Numerical analysis 05735
xcitation, Power, Vibration, Spectral analysis 05763
xcitation, Pulse generation, Discharges 05765
ye diseases, Radiation, Polymers 00998
abrication, Circuitry, Logic circuits 03996
abrication, Semiconductors, Liquid phase epitaxy, Photochemistry 04043
Far infrared, Detectors, Germanium, Photoconductors, Doping 00765
Far infrared, Harmonics, Mixing, Oscillators, Schottky diodes 09195
Far infrared, Interferometers, Tokamaks, Electron density 06727
Far infrared, Microwaves, Irradiation, Resonance, Modulation 07340
Far infrared, Optics, Excitation, Pumping 07363
Far infrared, Pumping, Numerical analysis 07365
Far infrared, Pumping, Resonance, Spectral analysis 08968
Far infrared, Pumping, Spectral analysis, CHD_2F 05049
Far infrared, Spectroscopy, Gas lasers, Pumping 09018
Far infrared, Spectroscopy, Magnetic resonance, Lithium erbium tetrafluoride 05046
Far infrared, Waveguides, Oscillation, Microwaves 05736
Far infrared, Waveguides, Oscillation, Wave propagation 08989
Fiber optics, Acoustics, Sensors, Interferometers, Filters 07749
Fiber optics, Coupling, Performance, Connectors, Packaged components 09385
Fiber optics, Raman effect, Amplifiers, Signal processing 09374
Fiber optics, Sensors, Flow, Measurement, Simulation 04341
Fiber optics, Sensors, Pressure, Thermal variables measurement 06136
Fiber optics, Signal transmission, Detection, Phase shift keying 04557
Fiber optics, Sonar, Wave propagation, Electromagnetic waves, Dissertation 01536
Fiber optics, Spectral analysis, Electromagnetics, Wave propagation 07769
Fiber optics, Telecommunications, Data transmission 09354
Flexible manufacturing systems, Cutting tools, Automatic control 04047
Flexible manufacturing systems, Machining centers, Cutting tools, Welding 02597
Flexible manufacturing systems, State of the art 05787
Flow measurement, Image processing, Automatic control 09037
Fluid dynamics, Measurement errors, Simulation, Anemometers 02598
Fluorescence, Spectrometry, Computer aided control, Electrothermal atomization 02588
Fluorescence, Thermometry, Thermal variables measurement, Supersonic flow 00909
Free electron lasers, Electromagnetics, Radiation 06413
Free electron lasers, Gain, Electron beams, Backscattering 07364
Frequency control, Computer aided control, Microcomputers 07341
Frequency, Harmonics, Signal converters, Mixers 00906
Frequency, Stability 00902
Furnaces, Fuels, Flames, Fiber optics, Raman spectroscopy 03483
Fusion, Research and development 04003
Gain, Feedback, Optical analysis 00919
Gas lasers, Cavities, Electron density, Discharges, Carbon dioxide 00977
Gases, Monitoring, Trace elements, Coal gasification 05136
Gases, Research and development, Industry, Quality control, Performance 05764
Glass, Research and development, Neodymium, Tuning 00942
Glow discharge, Switches, Control systems, Ions, Photodetachment 06640
Gyroscopes, Military aircraft 04038
Gyroscopes, Resonance, Millimeter waves 00937
Hamiltonians, Wiggler fields, Free electron lasers 08972
Harmonics, Energy conversion, Pulse generation, Fusion 02591
Harmonics, Superconductors, Photons, Excitons, Electromagnetic waves 04000
Heat treatment, Welding, Process development 01010
HEL, Design, Optics, Alignment, Telescopes 00810
Heterojunctions, Aluminum gallium arsenide, Spectral analysis, Reliability 04012
Image processing, Documentation, Printers, Office automation 09045
Image processing, Optical storage, Power supply 01501
Imaging, Radar, Modeling 07867
Indium, Atoms, Metastability, Raman effect, Emissions 05750
Industry, Technology, Surface properties, Heat treatment, Metals 04050
Infrared, Communications, Scintillation, Statistical analysis 09052
Infrared, Detectors, Electromagnetics, Coupling 07366
Infrared, Heterodyne reception, Spectral analysis, Atmospheric conditions 08438
Infrared, Optical systems, Design, Distance measurement 00991
Infrared, Radio waves, Pumping, Waveguides 08405
Infrared, Spectral analysis, Energy bands, Pumping 00946
Infrared, Tuning, Fluorescence, Potassium bromide, Potassium chloride 08986
Infrared, Waveguides, Pumping, Radio waves 08967
Injection, Current, Leak detection, Stripe geometry 08995
Injection, Frequency, Stability, Switching, Temperature 07339
Injection, Noise, Modes, Emission spectra 04008
Injection, Noise, Spectral analysis, Optical analysis 07350
Injection, Semiconductor lasers, Carrier concentration, Power, Index guides 07386
Inspection, Wear, Refractories, Vessels, Steelmaking 00396
Insulators, Materials testing, Fusion 07418
Integrated circuits, Fabrication, Metal oxide semiconductors, Interfaces 02822
Integrated circuits, Optics, Signal processing, Integrated systems 00987
Integrated circuits, Thin films, Thermal conductivity, Numerical analysis 02589
Interferometers, Electron density, Measurement, Tokamaks, Plasmas 09046
Interferometry, Calibration, Acoustics, Emissions 06861
Interferometry, Measurement, Supersonic flow, Boundary layers, Dissertation 00359
Iodine, Pumping, Pulse generation, Amplifiers 00981
Ionization, Excitation, Decay 05746
Ionization, Signal processing, Photovoltaic effect, Interference, Spectroscopy 02610
Irradiation, Annealing, Semiconductors, Ion implantation 02607
Irradiation, Dielectrics, Surface properties, Defects 07536
Irradiation, Dielectrics, Waveguides, Titanium dioxide, Silicon dioxide 05887

Lasers, (continued)
Irradiation, Plasmas, Dynamics, Thermal variables measurement 07343
Irradiation, X-rays, Emissions, Metals, Foils 05745
Irradiation, Yttrium iron garnet, Doping, Current voltage 05809
Josephson junctions, Tunnel junctions, Current voltage, Magnetic fields 04244
Laser Doppler velocimetry, Combustion, Flowmeters, Refractive indices 02609
Laser machining, Position control, Robots 06923
Laser machining, Welding, Computer numerical control, Assembling, Engines 00984
Laser spectroscopy, Chemical variables measurement, Fluorescence, Ions 05680
Light scattering, Wave propagation, Latex, Particles, Dissertation 05741
Logic circuits, Resonators, Reflectivity, Switching, Charge carriers 00905
Magnetic fields, Electron beams, Oscillators, Resonators 00936
Magnetic fields, Electron gases, Phase shifts, Current 04006
Magnetic fields, Signal processing, Plasmas, Ions, Dissertation 00264
Marine engineering, Communication networks, Filters, Optics, Submarines 05468
Materials testing, Pulses, Wavelengths, Research and development, Beams 05748
Measurement, Carbon dioxide, Instrumentation, Research and development 05781
Measurement, Instrumentation, Image processing, Photography, Holography 05780
Mechanical handling, Assembling, Automation, Flexible manufacturing systems 00386
Memory, Dielectrics, Recording systems 01506
Mercury bromide, Spectral analysis, Discharges, Diffusion 07357
Microscopy, Integrated circuits, Inspection, Metal oxide semiconductors 06061
Microwaves, Spectrometers, Astrophysics, Heterodyne reception 07438
Military aircraft, Gyroscopes, Navigation, Guidance and control systems 07417
Military engineering, Communications, Space technology 07703
Military engineering, Weapons, Economics, Energy, Research and development 04039
Millimeter waves, Methyl fluoride, Frequency, Oscillators 09029
Mining, Air shafts, Measurement, Reliability 09008
Mirrors, Coatings, Surface roughness 07416
Mirrors, Diffraction, Resonators, Apertures 09127
Mirrors, Heating, Electrons, Crystals, Lattices 07421
Mirrors, Noise, Performance 08963
Modeling, Computer aided control, Flow, Kinematics, Numerical analysis 05737
Modeling, Error, Disks, Magnetic variables control, Standards 05860
Modeling, Signal transmission, Resonators, Parameter estimation, Mirrors 05770
Modes, Waveguides, Amplifiers, Wigglers 00932
Modulation, Frequency, Switching, Refractive indices, Dissertation 06733
Modulation, Resonance, Frequency, Differential equations 07353
Modulators, Electrooptics, Acoustics, Materials testing 00852
Molecules, Pumping, Tuning, Frequency 08969
Monitoring, Air quality, Troposphere, Dissertation 05133
Neodymium, Oscillators, Anemometers 05754
Neodymium, Plasmas, Spectroscopy 07435
Neodymium, Pumping, Solar energy, Space technology 08984
Neutrons, Generators, Magnesium 08325
Noise, Klystrons, Oscillators, Modes 00996
Noise, Modulation, Optical storage, Simulation, Semiconductors 09001
Nondestructive testing, Fiber optics, Components 00985
Nuclear energy, Fusion, Research and development, Current 02590
Nuclear energy, Radioisotopes, Diffusion, Centrifuges 05786
Optical analysis, Spectral analysis, Amplifiers 00921
Optical communications, Channels, Signal processing, Modulation 07905
Optical storage, Actuators, Disks 01502
Optical storage, Density, Performance 00607
Optical storage, Memory, Photochemical holes, Spectroscopy, Recording systems 00862
Optical storage, Structural analysis, Microlithography 02312
Optical storage, Thermodynamics, Magnetooptics, Kerr effect 01520
Optical systems, Design, Alignment, Military engineering, Distance measurement 00990
Optical systems, Design, DIVAD, Weapons, Military engineering 00811
Optics, Bearings, Surface properties, Slip, Lubricants 09036
Optics, Carbon dioxide, Thermodynamics, Gallium arsenide, Density 05772
Optics, Channels, Telecommunications, Interference, Performance 05777
Optics, Frequency, Waves, Vibration, Measurement 04036
Optics, Printers, Computer graphics, Scanning, Image processing 09039
Optics, Resonators, Diffraction, Loss 07422
Optometers, Cathode ray tubes, Man machine interactions, Input output devices 03680
Oscillators, Wigglers, Optimization 00927
Phase locked loops, Modulation, Sensors, Measurement, Image processing 07428
Phase locked loops, Numerical analysis, Traveling wave tubes 08960
Photochemistry, Research and development, Australia 05793
Photodetectors, Acoustooptics, Spectral analysis, Signal processing 03973
Photodetectors, Silicon, Signal processing, Waveguides, Dissertation 01049
Photodissociation, Spectroscopy, $^{200}HgBr^{81}$, ^{64}ZnI 00950
Photons, Diffraction, Statistical analysis, Photomultipliers 07255
Plasmas, Electromagnetics, Absorption, Propulsion, Space technology 08022
Plasmas, Electron beams, Infrared, Backscattering 00032
Plasmas, Metals, Surface properties, Absorption, Optics 05791
Plasmas, Nitrogen, Electron density, Temperature, Photoionization 07356
Plasmas, Ultraviolet, Emissions 05052
Plasmas, X-rays, Emissions, Spectral analysis 07346
Polarization, Interferometers, Thin films, Thickness measurement 03486
Position control, Navigation, Gyroscopes 03098
Powder metallurgy, Ceramics, Process development, Economics 05783
Power, Gain, Numerical analysis, Amplifiers 00938
Printers, Software development 08722
Printers, Technology, Electronic mail, Performance, Economics 07425
Printing, Image processing, Data transmission, Computer aided control 02611
Process control, Thermodynamics, Materials testing, Metals, Eddy currents 05068
Process development, Electrical discharge machining, Metallurgy 01001
Production, Marketing, Manufacturing, Economics, Germany 05733
Propulsion, Rockets, Thrust 03647
Pulse generation, Cavities, Optical analysis, Harmonics 00888
Pulse generation, Relaxation, Excitation 00979
Pulse generation, Scattering, Surface properties, Diffraction 00918
Pulses, Geometry, Polarization, Lidar, Optical axes misalignment 02606
Pumping, Cadmium, Excitation, Discharges 05768

Lasers, (continued)
- Pumping, Kinetics, Solar energy, Iodine 08982
- Pumping, Optoacoustic effect, Signal processing, Modulation 08929
- Pumping, Sodium, Supersonic flow, Pulse generation 00971
- Pumping, Solar energy, Emissions, Absorption 08981
- Pumping, Solar energy, Gases, Photodissociation 08987
- Pumping, Sulfur, Fluorescence, Spectral analysis 07360
- Pumping, Switching, Infrared, Power supply 00912
- Pyroelectricity, Televisions, Cameras, Image processing 07314
- Quality control, Materials testing, Process development, Inspection, Industry 05790
- Quality control, Surface properties, Circuit boards, Radiography, Soldering 04507
- Radiation, Hysteresis, Wave propagation, Pumping 08971
- Radiation, Noise, Theoretical analysis 08966
- Radiation, Plasmas, Energy, Absorption 07347
- Radiation, Ultrasonics, Signal processing, Pulse generation 02586
- Radiometry, Multiplexing, Infrared, Energy bands, Dissertation 00930
- Random access memory, Metal oxide semiconductors, Molybdenum silicide 04504
- Raster displays, Reproduction (copying), Office automation, Digitizing 02605
- Recording systems, Holography, Radiation, Scattering, Silver halide 09042
- Recording systems, Illumination, Optical storage, Focusing, Disks 01516
- Recording systems, Materials testing, Density 01495
- Recording systems, Videodisks, Signal processing, Research and development 02601
- Refractive indices, Focusing, Water, Optics 00844
- Refractive indices, Optical storage, Materials testing 01512
- Remote sensing, Oceanography, Theoretical analysis, Monte Carlo method 07432
- Research and development, France, Product development, Government programs 00939
- Research and development, Industry, Laboratories, Combustion, Gases 05784
- Research and development, Memory, Optical storage 05659
- Research and development, Technological forecasting, Europe 00913
- Research and development, United Kingdom 00914
- Resonance, Absorption, Magnetics, Dipoles, Iodine 07349
- Resonance, Plasmas, Energy, Gyrotrons, Space charge 08489
- Resonators, Optics, Bistability, Photons, Statistical analysis 03952
- Resonators, Pumping, Fourier transforms, Optical analysis, Dissertation 09123
- Robots, Vision, Image processing, Cameras, Calibration 07431
- Robots, Vision, Image processing, Radar, Research and development 05215
- Robots, Vision, Scanning, Modeling, Control systems 07430
- Salts, Far infrared, Energy bands, Spectral analysis, Phase transitions 02584
- Satellites, Instrumentation, Noise, Modeling 09035
- Satellites, Meteorology, Statistical analysis, Modeling 08709
- Scanners, Nondestructive testing, Solar cells 07280
- Scanning, Electrooptics, Fabry Perot filters, Design 02552
- Scanning, Interactive systems, Automation, Displays, Control systems 02217
- Scanning, Robots, Vision, Pattern recognition, Time-of-flight 02560
- Schottky diodes, Heterodyne reception, Receivers, Mixers 09019
- Sheet metalworking, Industry, Economics, Japan, Research and development 04049
- Signal processing, Magnetic fields, Modulation, Free electron laser 07351
- Signal processing, Multiplexing 05751
- Signal processing, Videodisks, Coding, Modulation 02599
- Signals, Gain, Wigglers 00933
- Solar cells, Current, Semiconductors, Spectroscopy, Interfaces 02496
- Solar cells, Scanners, Current, Charge carriers, Energy conversion 03932
- Solar energy, Pumps, Energy conversion, Telecommunications, Numerical analysis 04996
- Solar energy, Spacecraft, Lenses, Optics, Velocity 05776
- Spectroscopy, Neodymium, Holmium 08990
- Spectroscopy, Polarization, Alkaline earths, Noble gases 07345
- Steel, Heat treatment, Hardening, Surface properties 09040
- Storage rings, Length measurement 00917
- Switches, Gallium arsenide, Electrooptics, Semiconductors 02587
- Technological forecasting, Business forecasting, Capital investment 00915
- Technological forecasting, Flexible manufacturing systems, Sheet metalworking 02603
- Theoretical analysis, Optical properties, Stress, Thermal variables measurement 05752
- Therapeutic systems, Cytology, Photochemistry, Radiation 00507
- Thermal variables control, Excitation, Fluorescence 00904
- Thermal variables control, Machine tools, Flexible manufacturing systems 00993
- Thermodynamics, Sprays, Diffraction, Cross sectional measurement, Distributions 05126
- Time measurement, Acoustooptics, Relaxation, Spectroscopy, Absorption 03972
- Tracers, Bioassays, Monitoring, Uranium 04051
- Training, Personnel, Education, Industry, Research and development 05789
- Transducers, Circuitry, Magnetic variables measurement, Optics, Current voltage 09158
- Tuning, Michelson interferometers, Sensors, Theoretical analysis 07337
- Tuning, Radiation, Electron beams, Free electron lasers 04005
- Ultrasonics, Vibration, Nondestructive testing 00344
- Ultraviolet, Collisions, Excitation, Energy transfer 05055
- Ultraviolet, Focusing, Electron beams, Lithography, Current density 05742
- Ultraviolet, Raman scattering, Potassium, Spectral analysis 05057
- Velocimeters, Flight testing, Aircraft, Aerodynamics 00455
- Velocimeters, Measurement, Turbulent flow, Combustion 02604
- Velocimeters, Photodiodes, Doppler shift, Speckle 07437
- Velocimeters, Turbulence, Measurement, Propellers, Flow of gases 05251
- Velocity measurement, Aerodynamics, Wind tunnels 07433
- Velocity measurement, Flow of liquids 04042
- Velocity measurement, Jets, Turbulence, Stress 09048
- Velocity, Particles, Arcs, Anemometry, Electrodes, Doppler shift 02619
- Volume measurement, Anemometers, Probes, Thermistors, Instrumentation 04037
- Wave propagation, Polarization, Scattering, Focusing 00014
- Waveguides, Carrier waves, Beam propagation 00940
- Waveguides, Kinematics, Amplifiers, Magnetic fields 00935
- Waveguides, Modulation, InGaAsP 09115
- Weapons, Space technology, Satellites, Missiles 00489
- Weapons, Technological forecasting, Product development 00997
- Welding, Aluminum alloys, Aluminum, Absorption 01011
- Welding, Quality control, Seals, Manufacturing, Technology 04048
- X-rays, Ultraviolet, Vacuum technology, Nuclear spectroscopy 08973
- Xenon chloride, Excitation, Electron beams, Computer aided analysis 07413

Lattices,
- Filters, Transfer functions, Algorithms, Parameter estimation 08

Launching facilities,
- Performance, Rocket engines, Propulsion 02
- Satellites, Technological forecasting, Europe 02
- Satellites, Technological forecasting, Stability 00
- Simulation, Calibration, Spacecraft 03
- Spacecraft, Propulsion, Modular design, Geosynchronous orbit 00
- Spacecraft, Research and development, Economics, Mariner Mark II 03
- Telemetry, Marine engineering, Satellites, Business statistics 01
- Waveguides, Plasma heating, Fusion, Gyrotrons 06

Lead,
- Acids, Capacity, Discharges 04
- Acids, Conductance, Hydrogen, Batteries 00
- Alloys, Josephson junctions, Fabrication, Thermal variables measurement 04
- Batteries, Energy storage components, Carbon, Additives, Voltage 06
- Batteries, Materials recovery, Wastes, Process development 03
- Cells, Design, Electrochemical reactions, Energy storage components 08
- Coatings, Polishing, Superconductivity, Resonators, Particle accelerators 04
- Contacts, Polyacetylene, Current voltage, Capacitance voltage 05
- Discharges, Acids, Energy storage components, Computer aided analysis 03
- Doping, Current voltage, Josephson junctions, Tunnel junctions 04
- Graphite, Hydrofluoric acid, Accumulators, Design 04
- Josephson junctions, Tunneling, Current voltage, Conductance, Illumination 04
- Salts, Detectors, Sensors, Performance 06
- Sulfur acid, Voltammetry, Electrodes, Corrosion, Batteries 08

Lead dioxide,
- Acids, Electrodes, Electrochemistry, Energy storage components, Fuel cells 01

Lead telluride,
- Schottky diodes, Infrared, Detectors, Thermal variables measurement 04

Lead tin selenide,
- Semiconductor lasers, Performance, Thermal variables measurement, Tuning 04

Lead tin telluride,
- Heterostructure lasers, Optimization, Current density, Temperature 00

Lead titanate zirconate,
- Ceramics, Dielectricity, Piezoelectricity, Temperature 02

Leak detection,
- Energy loss, Metal oxide semiconductors, Integrated circuits, Transistors 01
- Horological instruments, Reliability, Nondestructive testing, Watches 08
- Preamplifiers, Noise, Measurement errors, Calibration, Multipliers 00
- Resonators, Electromagnetic waves, Rotating bodies, Thickness measurement 00
- Telemetry, Pipelines, Oil refining, Microprocessors 04
- Transformers, Magnetic fields, Dissipation 02
- Transmission lines, Conductors, Flowmeters 001

Least squares estimation,
- X-ray diffraction, Crystal structure, Lattice constants, Space groups 084

Legislation,
- Displays, Safety, Occupational health 08
- Electric power generation, Resource management, Planning, Linear programming 03
- Position control, Economics, Aircraft, Navstar 094
- Satellites, Remote sensing 07
- Telecommunications, Government regulations, Electronic mail, United Kingdom 03
- United Kingdom, Transborder data flow, Security 02
- United States, United Kingdom, Transborder data flow 02

Length measurement,
- Gallium arsenide, Random access memory, Logic circuits, Bipolar devices 044
- Metrology, Photolithography, Optimization 025
- Storage rings, Lasers 009

Lenses,
- Antennae, Millimeter waves, Image processing, Optical analysis 081
- Cameras, Color, Signal processing, Diodes, Circuitry 029
- Coupling, Lasers, Diodes, Fiber optics 093
- Dielectricity, Fabrication, Antennae, Multiplexing 065
- Dielectrics, Antennae, Control systems, Shaping 048
- Dielectrics, Waveguides, Chirp, Perturbation 074
- Electrodes, Design, Electrooptics, Ion microprobes 073
- Electrooptics, Cathodes, Aberration 089
- Fiber optics, Refractive indices, Coupling, Light emitting diodes 072
- Germanium, Surface properties, Image processing, Veiling glare, Optics 008
- Image processing, Electrostatics, Fabrication, Modeling 056
- Infrared, Scanning, Interferometers, Optics 008
- Interferometers, Optics, Reflection 089
- Lithium niobate, Waveguides, Design, Fabrication, Dissertation 058
- Multiplexers, Fiber optics, Fabrication, Design 093
- Nondestructive testing, Acoustics, Optics, Materials testing, Dissertation 068
- Optical storage, Disks, Point spread, Focussing, Automatic control 015
- Optical systems, Quality control, Interferometry 008
- Optical transfer functions, Nondestructive testing, Interferometry 025
- Recording systems, Optical storage, Design 015
- Solar energy, Lasers, Spacecraft, Optics, Velocity 057
- Telescopes, Optics 089

Library science,
- Education, Interactive systems, Personal computers, Video systems 093
- Satellite communications, Broadcasting, Technology, Televisions 094

Lidar,
- Carbon dioxide, Gas lasers, Aerosols, Spectral analysis 095
- Frequency, Sounding, Signal processing, Atmospheric conditions 080
- Monitoring, Environmental protection, Aerosols, Boundary layers 021
- Neodymium, YAG lasers, Reflection, Wavelengths 010
- Remote sensing, Optics, Aerosols, Troposphere, Dissertation 095

Lifetimes,
- Charge carriers, Detectors, Diffusion, Degradation 084
- Charge carriers, Field effect, Relaxation, Semiconductors 095
- Fluorescence, Infrared, Lasers, Tuning 089
- Plasmas, Antennae, Signal processing, Amplitude, Noise 080
- Pn junctions, Metal oxide semiconductors, Current voltage, Space charge 092

ght,
- Emissions, Injection, Voltage, Polarity, Space charge 08215
- Laser diodes, Fiber optics, Amplification 08978
- Scintillation, Polystyrene, Pulse generation 08510

ght emitting diodes,
- Degradation, Surface properties, Corrosion, Impurities, Recombination 05682
- Electroluminescence, Heterostructures, Thin films, Si/ZnS:Mn 00815
- Fabrication, Epitaxial growth, Gallium arsenide 02528
- Fiber optics, Coupling, Computer aided analysis, Packaged components 07303
- Fiber optics, Telecommunications, Optimization 07946
- Gallium aluminum arsenide, Coupling, Fiber optics, Lenses, Refractive indices 07295
- Gallium arsenic phosphide, Degradation, Stress 02526
- Gallium arsenic phosphide, Spectroscopy, Dissipation, Structural analysis 02527
- Gallium arsenide, Protons, Irradiation, Degradation 08901
- Gallium phosphide, Capacitance, Relaxation, Pn junctions, GaP:Zn:O 07302
- Gallium phosphide, Degradation, Dislocations, Pn junctions, Space charge 05677
- Gallium phosphide, Visible range, Electroluminescence, Degradation 03961
- Gamma radiation, Gallium arsenide, Photoemissions, Tuning, Vacuum technology 05678
- Integrated circuits, Transistors, Heterojunctions, Optics, Bistability 08903
- Junctions, Fiber optics, Transmission, Telephones 09369
- Multiplexing, Electrooptics, Fiber optics 00822
- Photomultipliers, Pulse generation, Frequency 02448
- Photoreceptors, Wavelengths, Stability, Selenium 07301
- Printers, Photoreceptors, Scanning 05696
- Refrigeration, Photons, Cryogenics 00821
- Semiconductors, Service life, Fiber optics 01362
- Superlattices, Heterostructures, Conduction bands 05681
- Visible range, Liquid phase epitaxy, Gallium phosphide, Pn junctions 00820

ght scattering,
- Computed tomography, Bones, Density, Signal processing 00505
- Dissipation, Attenuation, Waveguides, Refractive indices 02647
- Flow rates, Computer applications, Genetics, Fluorescence 02160
- Gamma radiation, Measurement, Numerical analysis, Dissertation 01913
- Glass, Thin films, Waveguides, Refractive indices 01051
- Image processing, Wavefronts, Phase shifts, Mixing 00846
- Interferometry, Photons, Image processing 00013
- Lasers, Latex, Particles, Attenuation, Dissertation 05741
- Oceanography, Spectral analysis, Radar, Backscattering 03102
- Pulse generation, Refractive indices, Resonators, Optics 00015
- Spectroscopy, Particles, Aerosols, Dissertation 02573
- Surface properties, Surface roughness, Silver, Dissertation 08041
- Valves, Fiber optics, Sensors 01377

ightning,
- Aircraft, Radar, Protection 02279
- Current, Transmission lines, Electrodes, Conductors, Grounding 01725
- Surges, Traveling waves, Transmission lines, Impedance 01722
- Switches, Corona, Surge arresters, Transmission lines, Modeling 01040
- Transmission lines, Electric power distribution, Voltage, Wavefronts, Counters 00098
- Voltage, Discharges, Oil, Transformers, Dielectric permittivity 01747

ightwaves,
- Modeling, Computer aided design, Waveforms, Noise 07700

inear accelerators,
- Cryogenics, Refrigeration, Compressors, Magnets, Superconductivity 04134
- Magnets, Solenoids, Superconductivity 04131
- Magnets, Superconductivity, Product development 04154
- Magnets, Superconductivity, Solenoids, Transmission lines 04128
- Solenoids, Superconductors, Structural analysis, Stress, Loading 04256
- Superconductivity, Cryogenics, Thermal variables measurement 04116
- Superconductivity, Detectors, Solenoids 04129
- Superconductivity, Magnets, Coil winding machines, Cost benefit analysis 04126
- Superconductivity, Magnets, Energy conservation 04255
- Superconductivity, Magnets, Materials planning and control 04140
- Superconductivity, Magnets, Thermal variables control, Transmission lines 04156
- Superconductors, Cryogenics, Heat transfer, Fabrication 04138
- Superconductors, Current voltage, Electron beams, Energy conversion 04137

inear systems,
- Circuitry, Failure, Iteration, Numerical analysis 08778
- Discrete time systems, Stability, Testing 03606
- Optimal control, Stochastic processes, Probability, Vectors 08543
- Oscillation, Numerical analysis, Research and development 05529
- Partitioning, Matrices, Algorithms, Integrated circuits, Numerical analysis 06021
- Robustness, Filtering, Game theory 05472
- Signal processing, Graphs, Flow, Matrices, Statistical analysis 04751
- Systems analysis, Control, Precompensator design 05225
- Theorem proving, Chinese remainder theorem, Algorithms, Problem solving 05509

inguistics,
- Modeling, Speech synthesis, Pressure, Velocity, Dissertation 06276
- Processors, Speech recognition, Error correcting codes, Parsing, Algorithms 06272
- Systems design, Artificial intelligence, Speech recognition 06277

iquefied gases,
- Helium, Electrons, Metal oxide semiconductors, Surface properties 01151

iquid crystal displays,
- Data communications, Testing, Microprocessors, Error 01429

iquid crystals,
- Automotive engineering, Microcomputers, Guidance and control systems, Displays 02346
- Birefringence, Photoelasticity, Instrumentation, Research and development 00835
- Displays, Technology, Research and development 02533
- Displays, Velocity measurement, Guidance and control systems 02529
- Electric fields, Optics, Diffraction, Harmonics 08958
- Ferroelectric crystals, Structural analysis, Paraelectricity, Dissertation 05694
- Heterojunctions, Image processing, Converters, Fabrication, CdS/CdTe 05669
- Image processing, Color, Distributions, Operators, Light valves 02530
- Magnetooptics, Switching, Integrated circuits, Garnet, Photography, Wavelengths 02554
- Nematic crystals, Electrooptics, Waveguides, Anisotropy, Electric fields 07313
- Optics, Microwaves, Microcomputers, Holography, Scanning 08068
- Phase transitions, Specific heat, Superconductors, Far infrared 05146

Liquid crystals, (continued)
- Photodevices, Sensors, Light valves, Displays, Image processing 02532
- Physical properties, Optical communications, Converters, Voltage, Performance 07298
- Vanadium silicide, Specific heat, Superconductors, Far infrared 05048
- Video systems, Displays, Integrated circuits, Control systems 02553

Liquid phase epitaxy,
- Bipolar transistors, Heterojunctions, Performance, (In,Ga)As/InP 05936
- Diodes, Current voltage, Optical properties, Dielectric constants 03926
- Epitaxial growth, Aluminum gallium arsenide, Heterojunctions, Dissertation 02698
- Gallium arsenide, Mixers, Diodes, Fabrication, Planar processes 07547
- Gallium phosphide, Pn junctions, Light emitting diodes, Visible range 00820
- Heterostructures, Lasers, Diodes, Indium gallium arsenic phosphide 09000
- Photodiodes, Fabrication, Etching, Performance, Voltage 05600
- Semiconductors, Fabrication, Lasers, Photochemistry 04043
- Semiconductors, Optics, Microwaves, III-V compounds 09179
- Tungsten bronze, Crystal growth, Electrooptics 07316

Lithium,
- Batteries, Energy storage components, Automotive engineering, Li-Al/FeS 08321
- Electrochemistry, Salts, Electrodes 00185
- Electrodes, Dry cells, Corrosion, Quality control 06650
- Primary cells, Impedance, Measurement, Energy storage components 03331
- Primary cells, Polymers, Cathodes 08299

Lithium erbium tetrafluoride,
- Magnetic resonance, Far infrared, Lasers, Spectroscopy 05046

Lithium iodate,
- Piezoelectricity, Transducers, Recording systems, Pressure, Video systems 09141

Lithium niobate,
- Couplers, Waveguides, Thin films, Ion implantation, Dissertation 04322
- Doping, Titanium, Waveguides, Couplers, Refractive indices 07482
- Electrooptics, Modulators, Fabrication 05695
- Electrooptics, Modulators, Waveguides, Interferometers 00838
- Etching, Ion beams, Optics, Waveguides, Fabrication 09119
- Ions, Etching, Pyroelectricity, Sensors 02633
- Silicon dioxide, Acoustics, Wave propagation, Sensors, Research and development 05121
- Silicon dioxide, Surface acoustic waves, Coupling, Transducers 05123
- Surface acoustic waves, Filters, Transducers, Modeling 09152
- Surface acoustic waves, Wave propagation, Attenuations, Dissertation 05118
- Surface acoustic waves, Wave propagation, Transducers 05119
- Waveguides, Design, Fabrication, Dissertation 05824
- Waveguides, Electrooptics, Fabrication, Optical devices, Integrated circuits 02645
- Waveguides, Fabrication, Titanium, Diffusion 01052
- Waveguides, Integrated circuits, Optical devices, Impedance, Dissertation 01053
- Waveguides, Titanium, Diffusion, Performance, Optics 05825

Lithium sodium germanate,
- Ferroelectric crystals, Crystal growth, Czochralski method 04360

Lithium thionyl chloride,
- Cells, Design, Electrodes, Electrolytes 04975

Lithography,
- Calibration, Electron beam lithography 01878
- Electron beams, Metals, Microelectronics 00832
- Electron beams, Proximity effect, Calibration, Microscopy 08918
- Electron beams, Ultraviolet, Lasers, Focusing, Current density 05742
- Excimer lasers, Photoresists, Ultraviolet 09051
- Fabrication, Etching, Microelectronics, Integrated circuits, Electron beams 00845
- Fabrication, Field effect transistors, Semiconductors, Channels, Alignment 01198
- Fabrication, Metal oxide semiconductors, Gates 06083
- Fabrication, Niobium, Josephson effect, Tunnel junctions, Current density 05805
- Fabrication, Semiconductors, Imaging, Masks 07665
- Fabrication, VMOST, Transistors, Channels 04424
- Field effect transistors, Semiconductors, Logic circuits, Fabrication 01181
- Masks, Radiation, Distortion, Thermal variables measurement 00829
- Photolithography, Gold, Electroplating, Etching, Microelectronics 00833
- Research and development, Automation, Optics, Electron beams 05778
- Resists, X-rays, Copper, Microelectronics 02545
- Silicon, Schottky diodes, Etching, Superconductivity, Electrodes 04382
- Synchrotron radiation, Spectroscopy, Resists, Dissociation 00310
- Tunnel junctions, Thin films, Superconductivity 04088
- X-rays, Microelectronics, Masks, Alignment 08411
- X-rays, Radiation, Resonance, Spectral analysis 05062

Loading,
- Air conditioners, Control systems, Reliability 08231
- Algorithms, Electric power generation, Meteorology, Microprocessors, Modeling 01861
- Algorithms, Numerical analysis, Laplace transforms, Transmission lines, Cables 09086
- Algorithms, Problem solving, Power plants, Flow, Transformers 06611
- Algorithms, Thermodynamics, Power plants, Problem solving 06610
- Arrays, Integrated circuits, Bandwidths, Image processing, Structural analysis 06030
- Batteries, Electric vehicles, Energy storage components 04971
- Biomechanics, Head movement, Viscosity, Force, Muscles 07003
- Biomedical engineering, Materials testing, Mechanical strength 08643
- Cables, Thermal insulation, Heat transfer, Electric power apparatus 00136
- Cells, Cavities, Phase shifts, Conduction, Finite element method 04826
- Circuitry, Communication networks, Amplifiers, Noise, Design 00671
- Circuitry, Commutation, Rings, Capacitance voltage, Failure 08856
- Circuitry, Pressure, Transducers, Measurement, Frequency 07502
- Circuitry, Simulation, Functions, Current voltage, Waves 08186
- Communication networks, Multiprocessors, Packet switching, Controllers, Delay 06269
- Controllers, Electric power distribution, Decision making 08238
- Crack propagation, Geology, Plasticity, Soil science, Modeling 03694
- Drives, Induction motors, Electric variables control, Microprocessors 06528
- Eddy current, Finite element method, Algorithms, Software development 06766
- Education, Electric power generation, Computer programs, Displays 04953
- Electric power distribution, Cement industry, Technology 03402
- Electric power distribution, Curve fitting, Computer aided analysis, Clustering 05009
- Electric power distribution, Economics, Numerical analysis 06692
- Electric power distribution, Economics, Simulation 06697
- Electric power distribution, Energy, Loss factor, Quadratic equation, Modeling 04896

Loading, (continued)
Electric power distribution, Forecasting, Computer aided analysis 06574
Electric power distribution, Forecasting, Regression analysis 06706
Electric power distribution, Forecasting, Signal processing 01860
Electric power distribution, Management, Control systems, Economics 06571
Electric power distribution, Power supply, Reliability, Economics 05014
Electric power distribution, Resource management, Computer aided analysis 06688
Electric power distribution, Transformers, Reliability, Algorithms, Modeling 04930
Electric power distribution, Voltage, Energy consumption, Statistical analysis 06689
Electric power generation, Computer aided control, Distributed systems 06684
Electric power generation, Coupling, Flow, Modeling, Dissertation 05030
Electric power generation, Demand analysis, Management, Economics 00241
Electric power generation, Dynamic programming, Hierarchies, Optimization 06682
Electric power generation, Economics, Reliability, Probability, Simulation 03316
Electric power generation, Energy conservation, Economics, Control systems 03388
Electric power generation, Flow, Algorithms, Identification, Modeling 04962
Electric power generation, Flow, Transmission lines, Economics, Scheduling 05029
Electric power generation, Interactive systems, Modeling, Computer graphics 03317
Electric power generation, Management, Control systems, Modeling, Dissertation 01853
Electric power generation, Management, Systems design, Decision making 00131
Electric power generation, Modeling, Numerical analysis, Industry 05012
Electric power generation, Nuclear power plants, Thermal variables control 08327
Electric power generation, Probability, Flow, Modeling, Numerical analysis 06615
Electric power generation, Reliability, Statistical analysis, Energy resources 00080
Electric power generation, Scheduling, Technology, Control systems 04886
Electric power generation, Simulation, Monte Carlo method, SAM 04964
Electric power generation, Stability, Modeling, Voltage, Algorithms 08249
Electric power generation, Stability, Statistical analysis 08241
Electric power generation, Transients, Stability 03389
Electric power generation, Voltage, Measurement, Testing 05069
Electric power generation, Voltage, Stability, Oscillation, Flow 00143
Electric power transmission, Flow, Optimization, Security 04940
Electric power transmission, Flow, Terminals, Algorithms, Dissertation 08232
Electric power transmission, Planning, Forecasting, Error, Failure 05016
Electric vehicles, Power supply, Production planning 00621
Energy storage devices, Power plants, Economics, Modeling, Numerical analysis 06572
Engines, Thermodynamics, Tensile strength, Deformation, Strain 08392
Estimation, Power plants, Matrices, Modeling, Reliability 06612
Failure, Electronic equipment, Frequency 05240
Fiber optics, Steel, Crack propagation, Composite materials, Manufacturing 05038
Finite element method, Simulation, Generators, Synchronization 06546
Helicopters, Rotors, Computer aided control, Feedback, Damping 03625
Hydroelectric power generation, Simulation, Damping, Flow, Turbines 04881
Induction motors, Modeling, Validation, Dissertation 03275
Magnetic fields, Rotors, Turbines, Generators, Finite element method 06826
Modeling, Electric power transmission, Dissertation 03379
Modeling, Forecasting, Power systems 05023
Modeling, Power systems, Planning, Control 08344
Motors, Modeling, Dynamics, Electric power generation, Numerical analysis 06521
Networks, Electrical resistivity, Power systems, Solar cells 03934
Networks, Reliability, Electric power generation, Risk assessment 01838
Optimization, Nuclear power plants, Modeling, Control systems 06658
Oscillation, Composite materials, Vibration, Transducers, Inspection 05840
Performance, Drives 03425
Performance, Thin films, Integrated circuits 04471
Power supply, Electric power generation, Simulation, Flow, Networks 00231
Power systems, Reliability, Electric variables control, Simulation 06616
Probability, Electric power generation, Planning, Reserves, Operations research 00235
Process control, Electric power generation, Distributed systems 03387
Propellers, Wind turbines, Design, Optimization 04861
Pumps, Frequency, Control systems, Drives, Design 04875
Robots, Manufacturing, Welding, Numerical control, Machinery 06918
Robots, Mechanical handling, Computer aided manufacturing 02027
Rotors, Motors, Torque, Circuitry, Performance 04879
Simulation, Control systems, Voltage, Induction motors, Algorithms 06522
Simulation, Power systems, Stability 06604
Stress, Structural analysis, Linear accelerators, Solenoids, Superconductors 04256
Synchronous machines, Electric variables control 08156
Transmission lines, Design, Reliability, Failure, Probability 05817
Transmission lines, Design, Reliability, Mechanical strength 05818
Transmission lines, Dynamics, Structural analysis, Programming languages 09087
Transmission lines, Electric variables control, Simulation, Waves 05821
Utilities, Control systems 05011
Utilities, Electric power generation, Scheduling 08269
Vortices, Fluid mechanics, Magnetohydrodynamics, Channels 00158
Water supply, Microcomputers, Control systems, Hydroelectric power generation 03381
Waveguides, Frequency, Resonators, Numerical analysis, Dielectrics 03241
Weighting, Electric power generation, Flow, Buses, Problem solving 00150
Local area networks,
Access, Buses, Protocols, Scheduling 05397
Access, Delay, Algorithms, Performance, Dissertation 03744
Access, Transmission, Protocols, Modeling 04631
Architecture, Buses, Fiber optics, Performance, Integrated circuits 08727
Architecture, Control systems, Modeling, Data communications, Standards 00139
Architecture, Interfaces, Plug compatibility 05413
Architecture, Packet switching, Expressnet, Fasnet 04667
Architecture, Protocols, Robustness, Reliability 04785
Buses, Terminals, Access, Interfaces 00613
Cable television, Fiber optics, Technological forecasting 07782
Cable television, Fiber optics, United Kingdom 07783
Channels, Access, Protocols 06353
Channels, Circuitry, Protocols, Queueing theory, Dissertation 06175
Channels, Performance, Modeling, Circuitry, Protocols 07930
Channels, Signal transmission, Packet switching, Expressnet 04632
Coaxial cables, Signals, Equalization 02637
Communications, Fiber optics, Performance 01317

Local area networks, (continued)
Computer crime, Security, Management information systems, Personnel 087
Data bases, Channels, Organization and methods 029
Data communications, Banking, Backup systems, Scotland 014
Data communications, Information processing, Workstations, Word processing 030
Data communications, Personal computers, Distributed processing, Workstations 078
Data communications, Privacy, Security, Economics, Research and development 030
Data communications, Technology, State of the art 054
Data transmission, Data bases, Mainframes, Desktop systems, Economics 031
Data transmission, Delay, Throughput, Protocols, Queueing theory 047
Data transmission, Packet switching, Protocols 046
Distributed processing, Broadcasting, Architecture, Protocols, Banet 070
Distributed processing, Packet switching, Protocols, Speech transmission 046
Distributed systems, Multiplexing, Remote sensing, Switching 014
Distributed systems, Telecommunications, Transmission lines, Testing 062
Distributed systems, Traffic, Buses, Access 087
Electronic equipment, Buses, Standards, Automation, Televisions 029
Electronic equipment, Interfaces, Microcomputers, Fiber optics 023
Electronic mail, Data communications, Ethernet 037
Ethernet, Systems analysis 054
Fiber optics, Architecture 095
Fiber optics, Data communications, Noise, Safety, Economics 045
Fiber optics, Data transmission, Private branch exchange 029
Fiber optics, Economics, Cables 061
Fiber optics, Interfaces, Protocols 077
Fiber optics, Logic, Integrated systems, Information services 029
Fiber optics, Plastics, Attenuation, Testing, Research and development 061
Fiber optics, Plug compatibility, Fibernet II 045
Fiber optics, Speech transmission, Protocols, Routing, Robustness 093
Fiber optics, Standards, Reliability, Electric power transmission 077
Fiber optics, Standards, Technological forecasting, Testing 061
Fiber optics, Telecommunications, Systems design 013
Fiber optics, Topology, Buses, Structural analysis 093
Fiber optics, Waves, Technology, Protocols, Research and development 029
Government agencies, Research and development, Pentagon 004
Hierarchies, Modeling, File management, Parameter estimation 045
Industry, Programmable controllers 085
Integrated systems, Packet switching, Speech transmission, Data transmission 014
Interconnection, Access, Multiplexing, SILK 046
Interfaces, Plug compatibility, Internet 054
Libraries, Acquisitions, Records management, Satellite communications 014
Management, Technology, Data transmission, Flow, Economics 046
Marine technology, Telecommunications, Oceanography 094
Modeling, Protocols, Validation 046
Modulation, Protocols, Packet switching, Performance, Signal to noise ratio 079
Office automation, Electronic mail, Telecommunications, Protocols, Interfaces 062
Office automation, Private branch exchange, Speech recognition 070
Office automation, Productivity, Dow Chemical 094
Office automation, Security, Cryptography 022
Office automation, Transmission lines, Switching, Economics 094
Packet switching, Circuitry, Integrated systems, Modeling, Dissertation 029
Packet switching, Data transmission, Cambridge ring 046
Packet switching, Protocols, Standards 030
Performance, Delay, Protocols, Modeling, Standards 062
Personal computers, Data communications, Integrated circuits, Reliability 062
Plug compatibility, Controllers, Terminals, Multiprocessing, Memory 023
Plug compatibility, Mainframes, Minicomputers 054
Plug compatibility, Protocols, Standards 054
Plug compatibility, Software development, Processors 087
Private branch exchange, Compatibility, Technology 045
Private branch exchange, Integrated systems, Research and development, Italy 014
Private branch exchange, Technology, Broadband vs. baseband 094
Protocols, Access, Control systems, Stability, Delay 014
Protocols, Architecture 046
Protocols, Data transmission, Robustness 047
Protocols, Error 046
Protocols, Interfaces, Software development, Strathnet 054
Protocols, Packet switching, Throughput, Delay, Fault tolerance 046
Realtime systems, Traffic, Topology, Protocols, Dissertation 037
Reliability, Economics, Technological forecasting, Research and development 087
Research and development, IBM LAN 054
Signal transmission, Speech transmission, Telecommunications 063
Simulation, Protocols, Telephones, Technology, Packet switching 078
Speech transmission, Data transmission, Telecommunications, Integrated systems 014
Speech transmission, Distributed systems, Control systems, Packet switching 078
Speech transmission, Interfaces, Standards 078
Speech transmission, Telecommunications, Loops, Economics, Problem solving 030
Systems design, Fiber optics, RIPS-Net 093
Telecommunications, Architecture, Traffic, Switching, Performance 078
Telecommunications, Data communications, Economics 014
Telecommunications, Private branch exchange, Planning, Economics, Technology 030
Telecommunications, Standards, Technology 076
Telecommunications, Technology, Architecture, Access 094
Topology, Access, Protocols 087
Topology, Architecture, Protocols, Data communications, Flow 087
Transmission, Fiber optics, Japan, State of the art 077
Transmission, Fiber optics, Protocols, Hubnet 045
Transmission lines, Fiber optics, Economics, Error 029
Transmission, Protocols, Compatibility, Ethernet, CSMA/CD 094
Transmission, Systems analysis 070
Workstations, File management, Reliability, Failure, Dissertation 053
Logic,
Algorithms, Simulation, Delay, Metal oxide semiconductors 059
Analog to digital converters, Signal to noise ratio, Stability 055
Arrays, Programming languages, Machinery, Sequences, Testing 092
Artificial intelligence, Automation, Problem solving, Expert systems, Robots 085

ic, (continued)

- Bipolar devices, Circuitry, Memory, Transistors, Technology 09283
- Circuitry, Automatic testing, Coding, Fault detection 00679
- Circuitry, Mutators, Circuit theory 07174
- Circuitry, Verification, Testing, Error, Arrays 07655
- Communication networks, Adder subtractors, Modules, Integrated circuits 05991
- Communication networks, Architecture, Protocols, Specifications 09440
- Communication networks, Functions, Fault detection, Transformations, Circuitry 00668
- Communication networks, Packet switching, Microprocessors, Arrays, Programming 04654
- Communication networks, Resource management, Data collection, Terminals 06241
- Computer aided design, Structural analysis, Simulation, Technology 06005
- Decoding, Parity checks, Binary cyclic codes 01592
- Fault detection, Circuitry, Dictionaries, Simulation, Algorithms 06067
- Fiber optics, Local area networks, Integrated systems, Information services 02913
- Frequency dividers, Field effect transistors, Fabrication 05501
- Hardening, Integrated circuits, Design, Random access memory, Error 06001
- Integrated circuits, Computer aided analysis, Simulation, Structural analysis 06051
- Integrated circuits, Computer aided design, Dissertation 02851
- Integrated circuits, Memory, Structural analysis, Topology, Processors 04461
- Integrated circuits, MOSFET, Computer aided design 01186
- Integrated circuits, Operators, Processors, Networks, Research and development 05992
- Linkages, Transformations, Position control, Representations 00385
- Matrices, Arrays, Microprocessors, Arithmetic, Signal processing 00610
- Modules, Design, Feedback, Automation, Technology 07617
- Noise, Sequences, Generators, Synchronization, Error correcting codes 04736
- Partitioning, Gate arrays, Circuitry, Algorithms 01266
- Pattern recognition, Scanning, Performance, Design 00858
- Programmable controllers, Channels, Multiplexers, ES computer 06896
- Semiconductors, Field effect transistors, Silicon, Switching, Simulation 02746
- Shut down logic, Systems analysis, Protection, Failure, Numerical analysis 06941
- Signal processing, Noise, Integrated circuits, Counters, Input output 07178
- Software packages, Arrays, Equivalence, Input output, Integrated circuits 02818
- Telecommunications, Repair, Artificial intelligence, Modems, Integrated systems 01462
- Thyristors, Microprocessors, Synchronization, Signal processing 01734
- Transmission lines, Wires 01034
- Weapons, Control systems, Reliability, Multiprocessors 03653

gic circuits,

- Accessibility, Speed independent circuits 00682
- Amplifiers, Sensors, Charge coupled devices, Metal oxide semiconductors 01211
- Analog to digital converters, Counters 08838
- Analog to digital converters, Integrated circuits, Josephson junctions 04080
- Anodes, Indium phosphide, Metal insulator semiconductors 01228
- Arrays, Displays, Broadcasting, Editing, Power 06368
- Arrays, Input output, Field effect transistors, Buffers 07639
- Arrays, Metal oxide semiconductors, Decomposition, Input output, Dissertation 04457
- Bipolar devices, Arrays, Computer aided design, Research and development 09263
- Bipolar devices, Arrays, Performance, Computer aided design, Error 07637
- Bipolar devices, Large scale integration, Delay 04474
- Channels, Design 07652
- Channels, Etching, Ion implantation, Transistors, Metal oxide semiconductors 02761
- Charge carriers, Insulators, Service life, Transistors 02733
- Charge carriers, Metal oxide semiconductors, Interfaces, Current 02752
- Complementary transistors, Mathematical models, Metal oxide semiconductors 02765
- Cosmic rays, Telecommunications, Error, Integrated circuits 01260
- Current, Field effect transistors, Metal oxide semiconductors, Channels 02742
- Current, Metal oxide semiconductors, Oscillators, Irradiation 03864
- Decoders, Memory, Damping, Josephson junctions, Fabrication 04084
- Deformation, Field effect transistors, Metal insulator semiconductors, Sensors 04405
- Degradation, Oxidation, Metal oxide semiconductors, Field effect transistors 01194
- Delay, Arithmetic circuits, Counters, Parallel processing 06031
- Design, Detection, Switching, Functions, Dissertation 02804
- Design, MESFET, Optimization, Gallium arsenide 09248
- Diodes, Metal oxide semiconductors, Current, Channels 01157
- Doping, Channels, Epitaxial growth, Metal oxide semiconductors, Oscillators 01233
- Electrodeposition, Metal insulator semiconductors, Fabrication 01150
- Error correcting codes, Boolean algebra, Modeling, Fault tolerance, Reliability 02837
- Fabrication, Computer aided design 06007
- Fabrication, Counters, State of the art 09057
- Fabrication, Field effect transistors, Gallium arsenide, Schottky diodes 02769
- Fabrication, Josephson junctions, Simulation 09286
- Fabrication, Lasers 03996
- Fabrication, Logic circuit diagrams, Image processing, Pattern recognition 05999
- Fabrication, Proof theory 04469
- Fabrication, Quantum wells, Heterostructures, Transistors, Voltage 08502
- Fabrication, Routing, Modeling 02843
- Fault detection, Control Automata 04468
- Fault detection, Redundancy, Self-testing 02010
- Field effect transistors, Gallium arsenide, Fabrication 09222
- Field effect transistors, Metal insulator semiconductors, Indium phosphide 01226
- Field effect transistors, Metal oxide semiconductors, Channels, Current 01195
- Field effect transistors, Metal oxide semiconductors, Crystal growth, Lasers 02764
- Field effect transistors, Metal oxide semiconductors, Voltage, Channels 01215
- Field effect transistors, Power, Dissipation 01219
- Field effect transistors, Semiconductors, Energy loss, Dissertation 01210
- Field effect transistors, Structural analysis, Voltage, Fabrication 02778
- Filters, Time measurement, Architecture 05453
- Gallium arsenide, Field effect transistors, Density 07589
- Gallium arsenide, Field effect transistors, Signal processing 04493
- Gallium arsenide, Large scale integration, Field effect transistors, Simulation 04508
- Gallium arsenide, MESFET, Fabrication, Molecular beam epitaxy, Etching 09249
- Gallium arsenide, Random access memory, Length measurement, Bipolar devices 04454
- Indium antimonide, Pn junctions, Beryllium, Ion implantation, Current voltage 08414
- Insulators, Field effect transistors, Metal oxide semiconductors, Inversions 02773
- Insulators, Metal oxide semiconductors, Silicon, Voltage 01232
- Insulators, Thickness measurement, Channels, Capacitance 01180
- Integrated circuits, Arrays, Programming languages, Storage, Dissertation 01262

Logic circuits, (continued)

- Integrated circuits, Computer aided analysis, Fault detection 04446
- Integrated circuits, Josephson junctions, Fabrication, Capacitance 05988
- Integrated circuits, Josephson junctions, Superconductivity, Resistivity 04074
- Integrated circuits, Switching, Velocity, Research and development 06025
- Integrated circuits, Tunnel junctions, Josephson junctions, Niobium 04070
- Interferometers, Integrated circuits, Josephson junctions 04227
- Inverters, Input, Gates, Sequences, Signal processing 04093
- Josephson junctions, Current voltage, Injection, Signal converters 04078
- Josephson junctions, Decoders, Velocity, Current 04081
- Josephson junctions, Delay, Integrated circuits 02616
- Josephson junctions, Fabrication 01250
- Josephson junctions, Injection, Current, Inductors, Switching 04082
- Josephson junctions, Monte Carlo method, Statistical analysis 04071
- Josephson junctions, Oscillators, Inverters, Flip flops, Integrated circuits 04069
- Josephson junctions, Phase transitions, Noise, Superconductivity, Switching 04077
- Josephson junctions, Signal processing, Integrated circuits, Superconductivity 04102
- Josephson junctions, Superconductivity, Integrated circuits, Flux, Trapping 04072
- Josephson junctions, Superconductivity, Signal processing, Simulation 04076
- Josephson junctions, Superconductivity, Systems design, Current density 04079
- Junctions, Charge coupled devices, Computer aided design 06036
- Junctions, Superconductors, Interferometers, Switching 04083
- Lasers, Reflectivity, Pulse generation, Switching, Resonators 00905
- Magnetic variables control, Power supply, Electrical conductivity 04327
- Metal insulator semiconductors, Field effect transistors, Fabrication 01218
- Metal insulator semiconductors, Integrated circuits, Charge coupled devices 01267
- Metal oxide semiconductors, Arrays, Technology, Simulation, Fabrication 04414
- Metal oxide semiconductors, Channels, Structural analysis, Design 09219
- Metal oxide semiconductors, Delay, Time measurement, Modeling 05995
- Metal oxide semiconductors, Fault detection, Communication networks 02856
- Metal oxide semiconductors, Field effect transistors, Carrier mobility 02772
- Metal oxide semiconductors, Field effect transistors, Fabrication, Silicon 05940
- Metal oxide semiconductors, Field effect transistors, Memory, Arrays 07587
- Metal oxide semiconductors, Integrated circuits, Metal silicides, Refractories 02829
- Metal oxide semiconductors, Matrices, Integrated circuits, Design 06023
- Metal oxide semiconductors, Storage 04403
- Metal oxide semiconductors, Structural analysis, Specifications 09262
- Metal oxide semiconductors, Transistors, Design 05953
- Microelectronics, Fabrication, Routing 02842
- Microelectronics, Fabrication, Semiconductors, Electron beam direct writing 02872
- Microelectronics, Routing 05998
- Microprocessors, Metal oxide semiconductors, Design, Radiation, Tolerance 04491
- Microwaves, Transistors, Fabrication 06038
- MISFET, Transistors, Capacitance, Charge, Voltage 07597
- Modeling, Metal oxide semiconductors, Reliability, Fault tolerance 09205
- Modeling, Structural analysis, Design, Signal processing, Delay 04472
- Multiplexing, Fabrication, Ternary circuits 04499
- Multipliers, Arithmetic circuits, Fabrication 09288
- Multipliers, Gallium arsenide, Field effect transistors, Fabrication 04473
- Noise, Carrier mobility, Transistors 01172
- Noise, Modeling 06035
- Online systems, Silicon, Electron beams, Data transmission, Arrays 02867
- Packaged components, Josephson junctions, Signal processing 04176
- Phase shift keying, Fabrication, Switching, Field effect transistors 04420
- Photodetectors, Schottky diodes, Semiconductors, Field effect transistors 03956
- Polysilicon, Leakage current, Current voltage, Capacitors, Memory 06885
- Power supply, Josephson junctions, Packaged components, Integrated circuits 04270
- Programming, Arrays, Delay, Testing 03740
- Programming, Arrays, Silicon, Optimization, Computer programs 04466
- Pulse generation, Channels, Metal insulator semiconductors 01230
- Random access memory, Design, Transistors, Energy consumption 07578
- Random access memory, Read only memory, Programming, Arrays 04453
- Reciprocity, Passivity, Losslessness 02406
- Research and development, Optoelectronics 08907
- Resistors, Design, Technology 04085
- Routing, Fabrication, Computer aided design, Software packages 06034
- Schottky TTL, Semiconductor lasers, Modulators, Switching 06049
- Semiconductor lasers, Electrooptics, Inverters, Signal converters 04010
- Semiconductors, Field effect transistors, Beams, Switching, Silicon 07588
- Semiconductors, Field effect transistors, Gallium arsenide, Transconductance 02771
- Semiconductors, Field effect transistors, Lithography, Fabrication 01181
- Semiconductors, Field effect transistors, Microwaves 00041
- Semiconductors, Gallium arsenide, Research and development, MODFET 09223
- Sensitivity, Fault tolerance 00681
- Short circuits, Thyristors, Current 01178
- Signal converters, Motors, Frequency, Power supply, Thyristors 00072
- Signal converters, Superconductivity, Analog to digital converters 04092
- Signal processing, Charge coupled devices, Schottky diodes, Electrooptics 02776
- Signal processing, Microcomputers, Sonar, Oceanography, Pulse generation 03108
- Signals, Coupling, Distortion 09256
- Silicon, Bipolar devices, Thermal variables measurement, Modeling 02819
- Silicon on sapphire, Metal oxide semiconductors, Inverters, Counters 04409
- Structural analysis, Channels, Memory, Coupling, Reliability 02801
- Structural analysis, Current, Circuitry 05989
- Superconductivity, Analog to digital converters, Signal converters, Fabrication 04095
- Superconductivity, Josephson junctions, Analog to digital converters 04064
- Superconductivity, Storage, Interferometers, Josephson junctions 04112
- Switching, Transistors, Design, Dissertation 07574
- Systems design, Programming languages, Electric vehicles, State machines 02055
- Temperature, Metal oxide semiconductors, Silicon, Fabrication 02756
- Thermal variables measurement, Noise, Carrier mobility 01191
- Thyristors, Snubber circuits, Switching, Dissipation, Inductance 00122
- Transistors, Integrated circuits, Failure, Fault detection, Maintenance 06063
- Transistors, Metal oxide semiconductors, Channels, Voltage 02734
- Tunnel junctions, Josephson junctions, Simulation, Time measurement, Current 04075
- Voltage, Field effect transistors, Modulation 01206

Logic circuits, (continued)
- Voltage, Metal oxide semiconductors 01190

Loop antennae,
- Electromagnetic waves, Scattering, Remote sensing 03258
- Electromagnetics, Inverters, Voltage 03206

Loops,
- Capacitance, Junctions, Current voltage, Modeling 05903
- Carburizing, Computer aided manufacturing, Automation, Modeling, Diffusion 02064
- Communication networks, Coding, Channels, Economics 01448
- Communication networks, Telephones, Packet switching, Signal processing 04660
- Controllers, Converters, Drives, Stability, Simulation 06568
- Documentation, Circuitry, Receivers, Software development, Modules 06110
- Feedback, Computer aided control, Distortion, Thyristors 05065
- Filters, Feedback, Stability, Switching, Control systems 00402
- Finite element method, Magnetic fields, Circuitry, Differential equations 06816
- Parameter estimation, Arrays, Boundary value problems, Signal processing 03252
- Quantizers, Amplitude, Phase shift keying, Modulation, Verification 01565
- Satellite communications, Broadcasting, Interference, Precipitation 02980
- Simulation, Conductors, Modeling, Performance, Current 03888
- Simulation, Modeling, Electromagnetics, Control systems, Hysteresis 01084
- Speech transmission, Telecommunications, Local area networks, Economics 03018
- Telecommunications, Economics, Performance 02889
- Waves, Pulses, Modulation, Signal to noise ratio, Frequency 03188

Lubricants,
- Additives, Corrosion prevention, Voltameters 03461
- Cleaning, Transformers, Industrial waste disposal 01769
- Friction, Connectors, Integrated circuits, Packaged components 02797
- Transformers, Electric fields, Electrooptics, Space charge 01089
- Ultrasonics, Nondestructive testing, Wave propagation, Time measurement 00336

Luminescence,
- Acetophenone, Molecules, Excitation, Carbon dioxide, Gas lasers 08506
- Cadmium selenide, Electrodes, Polarization, Spectral analysis 03954
- Cathode ray tubes, Displays, Resolution, Yttrium aluminum garnet 00736
- Discharges, Displays, Automotive engineering 00624
- Emission spectra, Detectors, Spectroscopy 01936
- Excitation, Electrons, Irradiation, Thin films, ZnSe:Mn 05673
- Semiconductor lasers, Optical communications, Fiber optics 06135

Machine machine interactions,
- Communication networks, Architecture, Traffic, Software development 04595
- Communication networks, Signal transmission, Interference, Fault tolerance 04624
- Data transmission, Architecture 03038
- Education, Computer aided instruction, Parallel processing, Microcomputers 02282
- Integrated circuits, Software packages, Parallel processing, Microcomputers 06888
- Local area networks, Plug compatibility, Software development, Processors 08713
- Modules, Terminals, Plug compatibility, Circuitry, Algorithms 06889
- Office automation, Integrated systems, Interfaces, Planning, Management 03757
- Parallel processing, Networks, Control systems, Routing, Data communications 05385
- Personal computers, Communication networks, Software development 09451
- Personal computers, Mainframes, Data bases, Communication networks, Protocols 03754
- Programming, Controllers, Algorithms, Computation, Software development 00398
- Satellite communications, Data transmission, Traffic, Flow, Control systems 04593
- Signal processing, Digital systems, Analog systems 02316
- Telecommunications, Control systems, Microwave devices, Radios, Monitoring 06234
- Teletex, Telecommunications, Office automation, Signal transmission 06213

Machine tools,
- Computer aided manufacturing, Flexible manufacturing systems, Robots 05180
- Flexible manufacturing systems, Automotive engineering, Mechanical handling 00629
- Flexible manufacturing systems, Thermal variables control, Lasers 00993
- Heat treatment, Magnetic variables measurement, Steel, Inspection 07522
- Mechanical handling, Retrofitting, Robots, Production, Technology 05182
- Milling, Numerical control 03567
- Monitoring, Televisions, Computer aided control 08278
- Process control, Feedback, Position control, Drives 01688
- Robots, Mechanical handling, Computer aided manufacturing, Technology 05181
- Tracing, Servomechanisms, Economics, Reliability, Modeling 03762
- Turning, Wear, Sensors, Dissertation 01071

Machinery,
- Circuitry, Mathematical models, Rotors, Harmonics 00065
- Circuitry, Synchronization, Waveforms, Computer programs, Simulation 00064
- Computer numerical control, Computer aided manufacturing, Engines, Turning 05236
- Construction, Robots, Sensors 00404
- Construction, Telecommunications, Ships, Cables, Denmark 03016
- Data communications, Storage, Protocols, State exploration 07815
- Eddy current, Electric variables control, Modeling, Finite element method 06765
- Electric fields, Magnetic fields, Finite element method 06802
- Electric power generation, Frequency, Wind, Control systems, Transducers 08352
- Electronic equipment, Design, Performance, Finite element method 06525
- Electronic equipment, Simulation, Modeling, Stability, Testing 06520
- Energy conversion, Electric variables control, Stress, Modeling, Education 06509
- Generators, Ceramics, Current voltage, Blades, Electric power generation 04888
- Graphs, Modeling, Synchronization, Electronic equipment 00085
- Inductance, Synchronization, Finite element method, Magnetic fields 06508
- Logic, Arrays, Programming languages, Sequences, Testing 09298
- Modeling, Rotors, Synchronization, Torque, Harmonics 00067
- Monitoring, Fault diagnosis, Automatic control 00451
- Monitoring, Inspection, Organization and methods, Technology 05551
- Noise, Signal processing, Finite element method, Modeling, Dissertation 04737
- Paper industry, Control systems, Induction motors, Economics, Maintenance 03287
- Pollution control equipment, Telecommunications, Mining 02999
- Polymers, Tensile strength, Thermal insulation, Rotating bodies, Fatigue 04863
- Power plants, Vibration, Steam turbines, Turbogenerators 06552
- Power systems, Current voltage, Automatic control, Microprocessors 03314
- Precision engineering, Measurement, Optics 05058

Machinery, (continued)
- Propulsion, Magnetic variables control, Electric variables control 05
- Recording systems, Magnetic variables measurement, Coding 07
- Research and development, Control systems, Computer aided control 05
- Robots, Manufacturing, Welding, Numerical control, Loading 06
- Synchronization, Perturbation, Modeling, Reduction 04
- Synchronization, Rotors, Harmonics, Dynamics, Numerical analysis 00
- Transducers, Torque, Signal processing, Frequency, Displays 05
- Transducers, Vibration, Measurement, Economics, Purchasing 07
- Vibration, Monitoring, Computer aided analysis, Maintenance engineering 08

Machining,
- Artificial intelligence, Sensors, Fettling, Robots 00
- Computer aided instruction, Education, Laboratories, Control systems 08
- Computer numerical control, Sheet metalworking, Production 08
- Fiber optics, Production, Communications 09
- Flexible manufacturing systems, Lasers, State of the art 05
- Grinding, Iron alloys, Powder metallurgy, Arc welding, Process development 02
- Grinding, Robots, Gas turbines, Inspection, Measurement, Tolerance 05
- Grinding, Thermometers, Rolling, Cooling systems 01
- Grinding, Ultrasonics 08
- Lasers, Electron beams, Physical properties, Technology 05
- Lathes, Turning, Automatic control 00
- Optics, Fabrication, Precision engineering 03
- Precision engineering, Nondestructive testing, Nuts and bolts 01
- Precision engineering, Optics, State of the art 03
- Programmable controllers, Robots 08
- Robots, Mechanical handling, Computer aided manufacturing, Valves 08

Machining centers,
- Assembling, Robots, Controllers, Circuitry, Sensors 00
- Computer numerical control, Gauges, Cutting tools 02
- Flexible manufacturing systems, Lasers, Cutting tools, Welding 02
- Production control, Modular design, Process control, Input output, Controllers 00
- Robots, Automation, Sensors, Controllers, Programming languages 00

Magnesium,
- Batteries, Anodes, Breakdown 00
- Breakdown, Anodes, Chemical variables measurement, Batteries 00
- Current density, Magnesium chloride, Batteries, Lifetimes 03
- Electrodes, Dry cells, Corrosion, Quality control 06
- Lasers, Neutrons, Generators 08

Magnesium chloride,
- Current density, Magnesium, Batteries, Lifetimes 03

Magnesium oxide,
- Thin films, Capacitors, Dielectricity, Breakdown 03

Magnesium titanate,
- Photoelectrochemistry, Reflection, Absorption, Spectral analysis 08

Magnetic fields,
- Acoustics, Oscillation, Zinc, Strain 00
- Alternators, Impedance, Finite element method, Eddy current, Problem solving 06
- Amplifiers, Lasers, Waveguides, Kinematics 00
- Anisotropy, Magnetic tapes, Particles 05
- Annular slot arrays, Excitation, Waveguides 04
- Antennae, Radio waves, Receivers, Calibration 08
- Arcs, Plasmas, Current, Electrodes 09
- Arcs, Plasmas, Flux, Photography 01
- Arcs, Velocity, Vacuum technology, Induction, Electrodes 09
- Betatrons, Accelerators, Design, Lasers 08
- Biomedical engineering, Imaging, Brain 05
- Boundary layers, Meteorology, Fluid mechanics, Statistical analysis 02
- Boundary layers, Meteorology, Monitoring measurements, Electric fields 02
- Boundary value problems, Finite element method, Numerical analysis 06
- Cadmium manganese telluride, Magnetooptics, Absorption spectra, Temperature 00
- Capacitors, Current, Oscillation, Metals 05
- Cathodes, Current, Glow discharge, Electrons 06
- Charge carriers, Pn junctions, Magnetometers, Current, Computer aided analysis 01
- Circuitry, Eddy current, Numerical analysis, Matrices, Problem solving 067
- Circuitry, Flux, Density, Finite element method, Numerical analysis 07
- Circuitry, Magnetization, Perturbation, Inductance, Numerical analysis 05
- Coding, Eddy current, Distributions, Surface properties 05
- Coil winding machines, Transformers, Steel, Finite element method 01
- Computer aided control, Voltage, Monitoring, Microprocessors 05
- Conduction, Eddy current, Numerical analysis 05
- Coupling, Striplines, Superconductivity, Josephson junctions 041
- Cryogenics, Testing, Superconductors, Solenoids 041
- Current density, Flux, Solenoids, Fabrication 041
- Current density, Solenoids, Linear accelerators, Cost benefit analysis 041
- Current, Discharges, Electric fields, Time measurement 068
- Current, Inductance, Superconductivity, Striplines 042
- Current, Magnetoresistance, Graphite 019
- Current, Superconductors, Transmission lines, Short circuits 042
- Cyclotrons, Resonance, Radio frequency, Electromagnetic waves 002
- Dielectrics, Surface properties, Antennae, Electric fields, Numerical analysis 084
- Diodes, Transmission lines, Accelerators, Coupling, Dissertation 074
- Distributions, Software development, Nonlinear equations, Turbomachinery 068
- Eddy current, Braking systems, Finite element method, Distributions 072
- Eddy current, Conduction, Vectors, Flow, Numerical analysis 067
- Eddy current, Conduction, Vectors, Numerical analysis 068
- Eddy current, Conductors, Surface properties, Tokamaks, Structural analysis 067
- Eddy current, Damping, Numerical analysis 050
- Eddy current, Density, Boundary element method, Conductors, Numerical analysis 055
- Eddy current, Dipoles 050
- Eddy current, Electric fields, Finite difference method, Linear equations 067
- Eddy current, Electric fields, Finite difference method, Finite element method 068
- Eddy current, Electrical conductivity, Measurement 019
- Eddy current, Impedance, Nondestructive testing, Probes 067
- Eddy current, Measurement 084
- Eddy current, Numerical analysis 068

netic fields, (continued)
Eddy current, Software development, Thermal variables measurement, Force ... 06749
lectric arcs, Modeling, Switching, Prediction ... 06811
lectric fields, Biology, Radiation, Microorganisms ... 05288
lectric fields, Finite element method, Numerical analysis ... 06822
lectric fields, Imaging, Waveguides ... 07483
lectric fields, Machinery, Finite element method, Computer aided analysis ... 06802
lectric fields, Public health, Biology, Transmission lines ... 04914
lectric fields, Transmission lines, Charge, Safety ... 01741
lectric fields, Waveguides, Combiners, Couplers ... 00052
lectrodes, Arcs, Vacuum technology, Plasmas ... 09071
lectrodes, Cathodes, Thermal variables measurement ... 06716
lectromagnetic fields, Acoustics, Harmonics, Elastic waves, Excitation ... 01608
lectromagnetic waves, Radio astronomy, Radio frequency, Jets ... 00585
lectromagnetic waves, Wave propagation, Astrophysics, Azimuth, Anisotropy ... 06443
lectromagnetics, Ocean floor, Geophysical exploration ... 06408
lectromagnetics, Pumps, Eddy current, Distributions, Numerical analysis ... 07448
lectromagnets, Current density, Stress ... 00322
lectromagnets, Vibration, Measurement, Wave propagation ... 08467
lectron beams, Circuitry, Traveling wave tubes, Signal processing, Gyro-TWT ... 08860
lectron beams, Oscillators, Lasers, Resonators ... 00936
lectron beams, Relaxation, Numerical analysis, Monte Carlo method ... 00266
lectrons, Charge density, Polarization, Semiconductors ... 01118
lectrons, Gunn diodes, Friction ... 01889
lectrons, Induction, Arcs, Plasmas ... 08055
lectrons, Masers, Oscillation, Resonators ... 07361
lectrostatics, Particles, Drift waves, Simulation ... 06832
lectrostatics, Potentials, Mapping, Magnetosphere ... 07040
Faraday rotation, Ferrites, Microwaves, Waveguides, Tensor permeability ... 05095
Finite difference method, Turbomachinery, Generators, Mathematical models ... 06819
Finite element method, Circuitry, Loops, Differential equations ... 06816
Finite element method, Circuitry, Plates, Metals, Numerical analysis ... 06824
Finite element method, Computer aided analysis, Mesh generation, Optimization ... 06823
Finite element method, Finite difference method, Eddy current, Networks ... 06762
Finite element method, Numerical analysis, Traveling waves ... 00321
Flight control, Electric fields, Spacecraft, Occupational health ... 02084
Flux, Coil winding machines, Magnets, Superconductivity ... 04124
Flux, Nondestructive testing, Shift registers, Interferometers ... 01022
Force, Torque, Software development, Eddy current, Finite difference method ... 06750
Free electron lasers, Waveguides, Particles ... 00929
Gadolinium aluminate, Temperature, Absorption spectra, Franck Condon effect ... 00323
Gamma radiation, Resonance, Spectral analysis ... 06788
Gas lasers, Resonators, Numerical analysis ... 07354
Generators, Fourier analysis, Finite element method, Computational analysis ... 06821
Gyrotrons, Amplifiers, Waveguides, Simulation ... 08082
Gyrotrons, Microwaves, Frequency ... 04835
Gyrotrons, Millimeter waves, Solenoids ... 00044
Harmonics, Telephones, Transmission lines, Voltage, Interference ... 01466
Harmonics, Transmission lines, Conductors ... 06562
Hysteresis loops, Harmonics, Current, Power supply ... 01780
nductance, Machinery, Synchronization, Finite element method ... 06508
nduction, Circuitry, Electrical sheets ... 08455
ntegrated circuits, Magnetometers, Charge carriers, Frequency, Transducers ... 01954
Josephson junctions, Fluxons, Microwaves, Emissions ... 04180
Josephson junctions, Niobium, Interferometers, Fabrication ... 04087
Josephson junctions, Numerical analysis ... 04231
Josephson junctions, Tunnel junctions, Current, Superconductivity ... 05803
Josephson junctions, Tunnel junctions, Current voltage ... 04244
Josephson junctions, Tunnel junctions, Schottky diodes, Fabrication ... 04189
Lasers, Electron gases, Phase shifts, Current ... 04006
Lasers, Far infared, Resonance, Energy bands ... 01670
Leak detection, Transformers, Dissipation ... 02674
Magnetoelastic effect, Anisotropy, Oscillation ... 05129
Magnetohydrodynamics, Solenoids, Optimization, Design ... 06642
Masers, Hydrogen, Performance, Optimization ... 08980
Measurement, Electromagnetics, Interference, Power plants ... 08271
Measurement, Electrons, Precipitation, Dissertation, Auroras ... 06810
Measurement, Magnets, Mirror machines, Fusion ... 06834
Measurement, Transmission lines, Topography, Statistical analysis ... 09097
Metals, Plasmas, Ions, Beam propagation ... 06724
Meteorology, Hydrology, Diffusion, Waves ... 03715
Microwaves, Amplifiers, Solitons, Voltage ... 03840
Microwaves, Emissions, Josephson junctions, Bias, Current ... 04110
Millimeter waves, Gyrotrons, Modes ... 00043
Modeling, Signal processing, Flux, Induction machines, Damping ... 03264
Modulation, Feedback, Power supply, Frequency ... 01875
Niobium carbon nitride, Chemical vapor deposition, Superconductors ... 04099
Nuclear magnetic resonance, Image processing, Signals, Reconstruction ... 06729
Numerical analysis, Antennae, Communications, Extremely low frequency ... 08052
Oscillation, Frequency, Metal oxide semiconductors, Field effect transistors ... 02736
Oscillation, Josephson junctions, Resonance, Current ... 04234
Photoconductivity, Biology, Microwaves, Electrons ... 03441
Pipes, Magnetohydrodynamics, Non-Newtonian flow ... 03491
Plasmas, Electrostatics, Space charge ... 06645
Power plants, Signal transmission, Communications, Radios, Systems design ... 06317
Power systems, Transmission lines, Current, Harmonics, Measurement ... 09099
Pressure, Plasmas, Electrons, Absorption, Computer aided analysis ... 06632
Pulse generation, Ions, Diodes ... 01113
Pulse generation, Ions, Insulators, Plasmas, Dissertation ... 00263
Radiation, Dosimetry, Cables, Polymers, Materials testing ... 03912
Radiation, Dosimetry, Electronics, Circuitry ... 03431
Recording systems, Boundary value problems, Boundary element method ... 06815
Recording systems, Noise, Spectral analysis, Density, Particulate layer ... 05858
Refractive indices, Fiber optics, Switching ... 04544
Remote sensing, Mining, Electric fields, Accidents ... 07077
Resolution, Linearity, Photodiodes ... 05595

Magnetic fields, (continued)
Resonance, Amplifiers, Waveguides, Numerical analysis ... 08401
Resonance, Josephson junctions, Oscillation, Mathematical models ... 04233
Resonance, Spectrometers, Modulation, Field effect transistors, Phase shifts ... 00303
Rotation, Power supply, Turbines, Generators, Design ... 08141
Rotors, Simulation, Distributions, Integral equations, Synchronization ... 06516
Rotors, Turbines, Generators, Loading, Finite element method ... 06826
Sensors, Packaged components, Conductivity, Distortion, Oceanography ... 01607
Sensors, Polysilicon, CMOS, Transistors ... 03499
Shielding, Numerical analysis ... 06843
Signal processing, Modulation, Free electron laser ... 07351
Signal processing, Plasmas, Lasers, Ions, Dissertation ... 00264
Signal processing, Sensors, Sensitivity ... 01955
Silicon, Sensors, Transistors, Pn junctions ... 06836
Solenoids, Design, Mirrors, Magnetohydrodynamics ... 06643
Solenoids, Superconductivity, Cryogenics, Pulse generation, Storage rings ... 04223
Solenoids, Tokamaks, Nuclear reactors, Energy resources ... 06660
Spacecraft, Dielectrics, Atmospheric conditions, Electrostatics, Discharges ... 02110
Spectrometers, Electron spin resonance, Amplifiers, Signal processing ... 03152
Steel, Magnetization, Measurement, Electromagnets ... 07525
Superconductivity, Electric power transmission, Energy storage components ... 04282
Superconductivity, Generators, Synchronous motors ... 04292
Superconductivity, Magnets, Solenoids, Fabrication ... 04241
Superconductivity, Neurophysiology, Sensors, Medical research ... 04113
Superconductivity, Resistivity, Aluminum ... 01026
Superconductivity, Solenoids, Voltage, Nb$_3$Sn ... 04209
Superconductors, Composite materials, Current voltage, Electric fields ... 04274
Superconductors, Generators, Microwaves, Temperature, Dissertation ... 07442
Superconductors, Phase transitions ... 07452
Superconductors, Solenoids, Niobium, Tin ... 04232
Superconductors, Thermal variables measurement, Current ... 04086
Superconductors, Wire processing, Thermal variables measurement ... 04213
Switches, Current, Voltage, Performance ... 08212
Switches, Transistors, Frequency ... 06783
Theoretical analysis, Amplifiers, Resonance, Electron beams ... 08402
Thermal variables control, Superconductivity, Magnets, Short circuits ... 04190
Thermodynamics, Metabolism, Tissues, Hyperthermia ... 03681
Thin films, Hall effect, Charge carriers ... 01956
Thin films, Semiconductors, Optical analysis, Energy bands ... 00319
Tokamaks, Voltage, Fusion, Nuclear reactors ... 00170
Transducers, Pulse generation ... 01074
Transformers, Nuclear reactors, Problem solving, Finite element method ... 09163
Transistors, Injection, Modulation, Optimization ... 05922
Voltage, Fabrication, Instrumentation, Magnetrons, Relativistic scaling laws ... 03564
Wave propagation, Cyclotrons, Resonance, Masers ... 07368
Wave propagation, Scattering, Conductivity, Rotating bodies ... 08120
Waveguides, Gyrotrons, Traveling waves, Amplifiers, Numerical analysis ... 07948

Magnetic storage,
Bubble memory, Reliability, Modules, Random access memory ... 05857
Coding, Error correcting codes, Fire codes ... 06369
Computer graphics, Color, Vision, Alphanumerics, Typography ... 02940
Density, Performance ... 00607
Disks, Manufacturing, Thin films, Research and development ... 02677
Floppy disks, Disk drives, Commerce, Forecasting ... 02309
Memory, Architecture, Software development, Multiplexing, Thin films ... 04353
Optical storage, Information retrieval, Recording systems, Capacity planning ... 00606
Personal computers, Diskettes ... 02308
Recording systems, Density, Image processing, Radiology ... 02139
Recording systems, Output, Simulation, Computer aided analysis ... 01092
Records management, Parts shipping ... 01033
Research and development, Performance ... 02680

Magnetic tape,
Harmonics, Recording systems, Thickness measurement, Signal processing ... 01094
Inspection, Recording systems, Magnetic variables measurement ... 02672
Recording systems, Microwaves, Magnets ... 02678
Recording systems, Telephones, Management science ... 03060
Thermal variables measurement, Eddy currents, Transmission lines, Noise ... 01095
Velocity, Signal processing, Acoustic emissions, Recording systems ... 01981

Magnetic tapes,
Chromium dioxide, Coatings, Recording systems, Noise ... 05866
Classification, Video systems, Standards ... 09377
Coatings, Recording systems, Audio systems ... 05876
Coercive force, Magnetization, Dynamics, Frequency ... 07532
Copper, Aluminum, Thickness measurement, Eddy current, Computer aided analysis ... 07531
Data transmission, Recording systems, Storage, Tape drives, Microcomputers ... 07086
Fabrication, Thin films, Ferromagnets, Vacuum technology ... 05870
Friction, Surface properties, Materials testing, Polymers, Performance ... 07530
Friction, Wear, Temperature, Moisture measurement ... 04355
Mercury, Coatings, Porosity, Structural analysis ... 05863
Metals, Manufacturing, Particles, Surface properties ... 05869
Particles, Anisotropy, Magnetic fields ... 05875
Recording systems, Analog systems, Digital systems ... 07855
Recording systems, Audio systems, Video systems, Ferric oxide, Iron nitride ... 05868
Recording systems, Chromium dioxide, Switching ... 05873
Recording systems, Circuitry, Crosstalk, Density ... 05859
Recording systems, Digital systems, Performance ... 05878
Recording systems, Friction, Viscoelasticity ... 04352
Telecommunications, Output devices, Interfaces, Image processing ... 01329
Video systems, Reproduction (copying), Chromium dioxide, Heat treatment ... 05864

Magnetic variables control,
Aircraft, Weight measurement, Sensors, Calibration, Computer aided analysis ... 03649
Alternators, Energy conversion ... 08136
Charge, Finite element method ... 06808
Coil winding machines, Numerical analysis, Magnetic deflection yoke ... 03498
Conductors, Finite difference method, Finite element method, Boundary layers ... 07225
Convection, Flow, Compressible fluids, Porosity, Mechanical strength ... 05089

Magnetic variables control, (continued)
- Electric power generation, Diffusion, Dynamics, Velocity, Numerical analysis 08289
- Electric variables control, Metals, Crack propagation, Macrocrack healing 03423
- Electric vehicles, Service vehicles, Motor vehicle suspension 00618
- Electromagnetic fields, Magnetostatics, Computational analysis 06817
- Flow, Channels, Measurement, Electrodes 05581
- Flow of gases, Fluid dynamics, Numerical analysis 04295
- Flow of liquids, Porous materials, Electrical conductivity 08285
- Fluid mechanics, Laminar flow, Incompressible fluids 08282
- Fuels, Thermodynamics, Walls, Structural analysis, Coatings 08464
- Generators, Magnetic equipment, Flux, Compressible flow 08460
- Lasers, Modeling, Error, Disks, Standards 05860
- Logic circuits, Converters, Switching, Topology, Electrical conductivity 04327
- Mathematical models, Spacecraft, Stability, Bearings, Rotors 06949
- Nondestructive testing, Transducers, Eddy current 03494
- Optical storage, Glass, Erasable memory, Testing 09170
- Optical storage, Thermal variables control, Thin films, Cameras, Metals 08925
- Photomultipliers, Design 05591
- Propulsion, Electric variables control, Machinery, Numerical analysis 05850
- Rotating bodies, Stability, Hydrodynamics, Flow of liquids 08465
- Structural analysis, Circuitry, Modeling, Graphs, Hysteresis 01950
- Thermal variables control, Recording systems, Materials testing, Measurement 07515
- Transducers, Actuators, Modeling, Dissertation 05234
- Transducers, Nondestructive testing 08458
- Waves, Fluid dynamics, Numerical analysis, Stability 03321

Magnetic variables measurement,
- Accelerators, Transducers, Automation, Synchrophasotrons 08508
- Automation, Instrumentation, Computer aided control, Microcomputers 05090
- Composite materials, Elasticity, Stress, Strain, Tape rolls 04354
- Computer programs, Finite element method, Electric variables measurement 06627
- Current density, Temperature, Junctions, Superconductors, Dissertation 02612
- Density, Finite element method, Materials testing, Numerical analysis 07516
- Electric power generation, Magnetohydrodynamics, Plasmas 01789
- Electric variables measurement, Eddy current, Steel, Nondestructive testing 06767
- Electric variables measurement, Entropy, Thermodynamics, Numerical analysis 00293
- Electromagnetic fields, Finite element method, Computer graphics 06830
- Flowmeters, Pipes, Probes, Economics, Research and development 03493
- Gas turbines, Compressors, Blades, Helicopters, Frequency 03629
- Gauges, Pressure, Transducers, Stability, Vibration 08391
- Heat exchangers, Flow of liquids, Electric variables measurement, Stability 08463
- Heat transfer, Flow, Boundary layers, Frequency, Numerical analysis 08290
- Heat treatment, Machine tools, Steel, Inspection 07522
- Induction motors, Rotors, Modeling, Generators, Numerical analysis 04871
- Inspection, Materials testing, Electric variables measurement, Current 07227
- Inspection, Paper industry, Electrochemistry, Kinematics, Deformation 02657
- Instrumentation, Transducers, Force, Structural analysis, Porosity 05832
- Integrals, Diodes, Statistical analysis 07538
- Liquids, Deformation, Materials testing, Mechanical strength, Oscillation 08454
- Magnetic tape, Inspection, Recording systems 02672
- Materials testing, Nondestructive testing 03497
- Mathematical models, Surface properties, Mechanical strength 06829
- Metals, Flow, Electric variables measurement, Boundary layers 05132
- Meteorology, Modeling, Thermodynamics, Parameter estimation, Mass transfer 05366
- Modeling, Probes, Rings, Numerical analysis 07523
- Modeling, Software development, Electromagnets 07524
- Motors, Surface properties, Probes, Testing, Thermodynamics 06527
- Motors, Synchronization, Simulation, Performance, Numerical analysis 06524
- Noise, Electromagnetics, Communications, Coal mining 06854
- Nondestructive testing, Materials testing, Electromagnetics 08036
- Nondestructive testing, Mechanical properties, Ferromagnetic components 01952
- Pipelines, Circuitry, Inspection, Nondestructive testing, Numerical analysis 05820
- Pipelines, Nondestructive testing, Stress, Bending 00318
- Pipes, Welding, Joints, Coil winding machines, Transducers 01079
- Railway engineering, Propulsion, Electromagnetics, Emissions control 03764
- Recording systems, Coding, Machinery 07519
- Recording systems, Computational analysis, Finite element method 07529
- Signal processing, Transducers, Measurement, Vibration, Numerical analysis 07509
- Steel, Nondestructive testing, Mechanical strength, Thickness measurement 00258
- Stress, Seismology, Instrumentation, Calibration, Dissertation 06719
- Transducers, Circuitry, Optics, Current voltage, Lasers 09158
- Transducers, Impedance, Instrumentation, Reliability 05831
- Transducers, Sensors, Films, Flow 07503
- Underwater technology, Sensors, Hydrodynamics, Flow, Vortices 03495

Magnetics,
- Coil winding machines, Harmonics, Deflection, Numerical analysis 02673
- Dipoles, Current, Computer aided analysis, Sommerfeld half-spece problem 08026
- Dipoles, Frequency, Scattering, Antennae 08119
- Dipoles, Lasers, Absorption, Resonance, Iodine 07349
- Domains, Ion implantation, Detectors, Design 05816
- Energy storage components, Superconductivity, Electric power generation 04284
- Flux, Density, Voltage, Power 06623
- Flux, Josephson effect, Shift registers, Computer applications 07451
- Hydroelectric power generation, Turbines, Rotors, Design 08165
- Hysteresis, Electromagnets, Testing 01083
- Insulators, Current, Transmission lines, Electric fields, Accelerators 09103
- Integrated circuits, Converters, Switching, Synthesizing 03872
- Magnetic resonance, Lasers, Far infrared, Spectroscopy 05046
- Motors, Design, Electric fields, Stress, Book 08150
- Oscillation, Transducers, Optics, Stability 06840
- Permanent magnets, Electron guns, Design, Coupling, Focusing 06837
- Polarization, Superconductors, Phase transitions, Erbium rhodium boride 05802
- Recording systems, Cobalt, Chromium, Films 05880
- Recording systems, Disks, Coatings, Defects 05877
- Recording systems, Floppy disks 06278
- Recording systems, Optimization 05872
- Recording systems, Optimization, Thin films, Computer aided analysis 09169

Magnetics, (continued)
- Recording systems, Performance, Cobalt, Chromium 058
- Recording systems, Surface properties, Cobalt, Hydrothermal processes 058
- Recording systems, Thickness measurement 058
- Semiconductors, Mercury manganese selenide, Electron paramagnetic resonance 026
- Semiconductors, Plasmas, Resonance, Millimeter waves, Wave propagation 000
- Sensors, Diodes, Noise, Degradation, Temperature 059
- Sensors, Fabrication, Transistors, Doping, Hall effect 068
- Shielding, Design, Magnetohydrodynamics, Energy conversion 066
- Stepping motors, Voltage, Drives, Dissertation 065
- Storage, Energy conversion, Superconductivity 090
- Superconductivity, Electric power generation, Temperature, Current density 002
- Superconductivity, Microwaves, Tunnel junctions, Josephson junctions, Networks 041
- Superconductivity, Storage, Power systems, Oscillators 090
- Switching, Recording systems, Hysteresis 058
- Thin films, Recording systems, Signal to noise ratio, Noise 058
- Transducers, Charge carriers, Electric fields, Sensors 058
- Transformers, Televisions, Receivers, Coil winding machines 043
- Wave propagation, Surface waves, Plasmas, Semiconductors 016

Magnetite,
- Magnetics, Iron, Minerals and ores, Oscillators 068

Magnetization,
- Circuitry, Magnetic fields, Perturbation, Inductance, Numerical analysis 050
- Cobalt, Alloys, Samarium, Heat treatment, Kerr effect 058
- Converters, Transformers, Voltage, Inductance 075
- Dynamics, Magnetic tapes, Coercive force, Frequency 075
- Dynamics, Transducers, Ferrites, Ni-Zn 043
- Hysteresis, Magnetooptics, Recording systems, Ferrites, Garnet 058
- Magnetic fields, Measurement, Steel, Electromagnets 075
- Measurements, Computer aided control, Transducers, Analog to digital converters 050
- Scanning, Solenoids, Voltage 084
- Wave propagation, Ferrites, Films, Cubic crystals 035

Magnetohydrodynamics,
- Acoustics, Entropy, Generators, Waves, Combustion 049
- Argon, Optical analysis, Heat transfer, Plasmas 033
- Argon, Plasmas, Probes, Impedance 066
- Boundary layers, Electric power generation, Conductivity, Channels 001
- Boundary layers, Stability, Surface properties, Numerical analysis, Algorithms 082
- Channels, Electric power generation, Size measurement, Optimization 001
- Channels, Fault detection, Short circuits, Electrodes 001
- Conductivity, Drag, Incompressible flow 001
- Cross sectional measurement, Electric power generation, Voltage, Current 001
- Electric power generation, Magnetic variables measurement, Plasmas 017
- Energy conversion, Magnetics, Shielding, Design 066
- Fluid mechanics, Vortices, Loading, Channels 001
- Generators, Boundary layers, Electric variables measurement, Modeling 049
- Generators, Channels, Modeling, Electrodynamics, Gasdynamics 066
- Generators, Electric variables control 066
- Generators, Electrical conductivity, Voltage, Temperature, Performance 082
- Generators, Power plants, Modeling 082
- Generators, Simulation, Transient flow 066
- Heat transfer, Rotating bodies, Thermal variables measurement 017
- Incompressible flow, Conductivity, Viscosity, Drag 001
- Insulators, Arcs, Current voltage, Electrodes 017
- Insulators, Spark gaps, Electrodes, Breakdown 001
- Interferometry, Faraday rotation, Combustion, Electrons 001
- Magnets, Superconductivity, Current density 041
- Magnets, Superconductors, Design 041
- Mathematical models, Turbulent flow, Electric fields 001
- Mirrors, Solenoids, Plasmas 066
- Modeling, Generators, Combustion, Heat transfer, Boundary layers 066
- Non-Newtonian flow, Magnetic fields, Pipes 034
- Plasmas, Heating, Tokamaks, Frequency 082
- Plasmas, Stability, Electrons, Frequency 066
- Power plants, Oxygen, Thermal variables measurement, Economics 049
- Research and development, Government agencies, United States 033
- Rotating bodies, Incompressible flow, Hydrodynamics 001
- Rotating bodies, Incompressible flow, Viscous flow, Velocity, Boundary layers 017
- Software, Channels, Electric power generation 001
- Solenoids, Design, Mirrors, Magnetic fields 066
- Solenoids, Optimization, Design, Numerical analysis, Magnetic fields 066
- Steam-electric power generation, Research and development 083
- Superconductivity, Magnets, Solenoids, Materials planning and control 041
- Supersonic flow, Shock waves, Pressure 017

Magnetometers,
- Charge carriers, Integrated circuits, Magnetic fields, Frequency, Transducers 019
- Pn junctions, Charge carriers, Magnetic fields, Current 019
- Ultrasonics, Amplitude, Piezoelectricity, Sensors 068

Magnetooptics,
- Cadmium manganese telluride, Absorption spectra, Magnetic fields, Temperature 008
- Ferrimagnets, Electronic structure, Spectral analysis, Oscillators 089
- Iron, Ferromagnets, Emissions, Thermal variables measurement 073
- Liquid crystals, Switching, Integrated circuits, Garnet, Photography 025
- Magnetization, Hysteresis, Recording systems, Ferrites, Garnet 058
- Optical storage, Recording systems, Gadolinium cobalt 015
- Optical storage, Recording systems, Lasers, Disks 015
- Optical storage, Terbium ferrite, Thin films, Materials testing 015

Magnetoresistance,
- Germanium, Semiconductors, Scattering, Acoustics 011
- Graphite, Magnetic fields, Current 019
- Hall effect, Transducers, Voltage, Configurations, Mathematical models 026
- Superconductors, Stability, Aluminum 040

Magnetoresistivity,
- Transducers, Hall effect, Signal to noise ratio, Noise 031

Magnetoresistors,
- Thin films, Modeling, Dispersion, Numerical analysis 075

netosphere,
ectrostatics, Potentials, Mapping, Magnetic fields 07040
netostatics,
ectromagnetic waves, Turbulent flow, Astrophysics 03201
scillators, Communications, Radar, Signal processing, Surface acoustic waves 07204
scillators, Transducers, Circuitry, Tuning 07205
asmas, Wave propagation, Conductivity 00029
ogramming languages, Problem solving, Algorithms, Conductors 07226
netrons,
abrication, Instrumentation, Relativistic scaling laws 03564
puttering, Niobium, Josephson junctions, Integrated circuits 04462
nets,
coustic testing, Superconductivity, Signal processing, Solenoids 04192
oil winding machines, Tensile strength, Superconductivity, Solenoids 04147
onductors, Superconductivity, Pulse generation 04153
ryogenics, Japan, Superconductivity, Solenoids 04264
ryogenics, Superconductivity, Helium, Thermal variables measurement 04125
ryogenics, Superconductors, Cables, Fabrication 04183
urrent density, Cryogenics, Solenoids, Niobium compounds 04201
urrent density, Short circuits, Switches, Heat transfer 03832
issipation, Current, Solenoids, Conductors 04272
urope, Cryogenics, Superconductivity 04166
abrication, Computer aided design 09161
abrication, Superconductivity, Solenoids, Magnetic fields 04241
usion reactors, Cooling systems, Tritium, Tokamaks 00193
usion reactors, Superconductivity, Fabrication 04145
inear accelerators, Solenoids, Superconductivity 04131
inear accelerators, Superconductivity, Coil winding machines 04126
inear accelerators, Superconductivity, Product development 04154
inear accelerators, Superconductivity, Solenoids, Transmission lines 04128
Magnetic tape, Recording systems, Microwaves 02678
Magnetohydrodynamics, Superconductivity, Current density 04127
Mirror machines, Fusion, Magnetic fields, Measurement 06834
Permanent magnets, Design, Composite materials, Dissertation 07526
Permanent magnets, Motors, Synchronization 08168
Power systems, Mirror machines, Fusion, Computer aided control 08277
Protons, Synchrotrons, Superconductivity, Fabrication 04135
Shielding, Iron, Connectors, Solenoids 04187
Signal converters, Current voltage, Energy storage components 04287
Solenoids, Acoustic emissions, Superconductivity, Sensitivity 04194
Solenoids, Conductors, Superconductivity, Current density 04158
Solenoids, Superconductivity, Cryogenics, Product development 04123
Solenoids, Superconductivity, Motors, Cryogenics 04263
Solenoids, Superconductivity, Precision engineering, Charge carriers 04174
Solenoids, Superconductors, Stress strain relations, Temperature, Nb_3Sn 04205
Stability, Current, Thermal variables control, Nuclear magnetic resonance 01957
Stability, Superconductivity, Cryogenics 04159
Superconductivity, Charge carriers, Current, Solenoids 04273
Superconductivity, Coil winding machines, Flux, Magnetic fields 04124
Superconductivity, Compressors, Refrigeration, Cryogenics, Linear accelerators 04134
Superconductivity, Connectors, Current, Structural analysis 04148
Superconductivity, Cryogenics, Refrigeration 04142
Superconductivity, Energy storage components, Energy conversion, Discharges 04265
Superconductivity, Energy storage components, Voltage, Breakdown 04149
Superconductivity, Gyrotrons, Cryogenics 04185
Superconductivity, Linear accelerators, Energy conservation 04255
Superconductivity, Linear accelerators, Materials planning and control 04140
Superconductivity, Linear accelerators, Thermal variables control 04156
Superconductivity, Magnetohydrodynamics, Solenoids 04144
Superconductivity, Mass spectrometers, Cyclotrons, Ions 04146
Superconductivity, Phase transitions, Quenching, Thermal variables measurement 04245
Superconductivity, Research and development, Japan 04165
Superconductivity, Shielding, Iron 04182
Superconductivity, Short circuits, Solenoids, Magnetic fields 04190
Superconductivity, Solenoids, Cryogenics, Transmission lines 04204
Superconductivity, Solenoids, Current density 04226
Superconductivity, Solenoids, Fabrication 04143
Superconductivity, Solenoids, Niobium titanide, Cryogenics 04152
Superconductivity, Stability, Cryogenics 04090
Superconductivity, Synchrotrons, Research and development, Energy conservation 04155
Superconductivity, Thermal variables measurement, Quenching, Safety 04132
Superconductivity, Transmission lines, Thermal variables measurement, Voltage 04225
Superconductors, Cryogenics, Power systems, Performance 07450
Superconductors, Cryogenics, Storage rings 04136
Superconductors, Fusion, Mirror machines, Vacuum technology 06636
Superconductors, Fusion reactors, Copper, Insulators 01082
Superconductors, Magnetohydrodynamics, Design 04181
Superconductors, Solenoids, Design, Plasmas, Fusion 07453
Superconductors, Solenoids, Fusion, Mirror machines 06637
Superconductors, Solenoids, Linear accelerators 04212
Superconductors, Stability, Cooling 04246
ail handling,
Process control, Mechanical handling, Information retrieval 02317
ainframes,
Data base management systems, Access, Communications, Software development 00611
Electric power transmission, Impedance, Relays, Simulation 06621
Electric power transmission, Protection, Transients 01877
Failure, Protection, Electric power transmission 07185
Local area networks, Data transmission, Data bases, Desktop systems, Economics 03170
Minicomputers, Local area networks, Plug compatibility 05411
Personal computers, Machine machine interactions, Data bases 03754
Satellite communications, Communication networks, Data transmission, Economics 06243
Storage, Random access memory, Josephson computers 09056
aintenance,
Aircraft engineering, Military aircraft, Multiplexing, Buses 02116
Artificial intelligence, Assembling, Technology, Research and development 05208
Maintenance, (continued)
Circuit breakers, Statistical analysis, Electric power apparatus, Industry 08228
Economics, Systems design, Radio communications, Mobile systems 04539
Electric power distribution, Automation, Reliability, Redundancy, Equipment 00129
Electric power generation, Nuclear energy, Coal, Economics, Modeling 06613
Fault detection, Failure, Integrated circuits, Logic circuits, Transistors 06063
Generators, Reliability, Process control 06556
Hydroelectric power generation, Generators, Design, Performance 06550
Inspection, Thermal insulation, Wear, Transmission lines 00091
Instrumentation, Calibration, Automatic control, Personal computers 05033
ITT1290, Telephones, Networks, Automatic testing 04668
Microprocessors, Transmitters, Instrumentation, Economics, Calibration 09312
Motors, Electric variables control, Torque, Reliability, Pipe cage motors 06532
Paper industry, Machinery, Control systems, Induction motors, Economics 03287
Performance, Service life, Batteries 01804
Pipelines, Water supply, Radio communications, Mobile systems 04531
Power plants, Reliability, Turbogenerators, Automatic control 04928
Pulse code modulation, Systems design, Manufacturing, Energy consumption 04618
Radar, Training, Computer aided control, Aircraft, Research and development 06291
Radios, Telecommunications, Microwave devices, Microprocessors, Control systems 06109
Reliability, Electroplating, Radiochemical analysis 02006
Reliability, Service life, Power plants, Generators, Rotors 01700
Robots, Control systems, Man machine interactions, Training 05197
Safety, Electric power apparatus, Quality control 00229
Satellite communications, Economics, Information services, Rural areas 07799
Standby systems, Redundancy, Switching, Laplace transforms, Failure 03619
Standby systems, Repair, Laplace transforms, Failure, Theorem proving 03618
Telecommunications, Networks, Troubleshooting, Fault detection 04659
Thermometers, Stability, Optics, Process control, Transducers 05035
Transmission lines, Radio communications, Mobile systems 04533
Vibration, Friction, Generators, Monitoring methods 01693
Videodiscs, Microprocessors, Training, Economics 01323
Maintenance engineering,
Vibration, Monitoring, Computer aided analysis, Scheduling, Machinery 08138
Man machine interactions,
Aerospace medicine, Ergonomics, Cumulative distribution, Stress 02874
Aircraft engineering, Ergonomics, Modeling 05256
Artificial intelligence, Systems design, Research and development 00431
Communications, Speech transmission 09479
Control systems, Petrochemical industry, Automation, Systems design 00399
Decision making, Robots, Control systems, Artificial intelligence, Hierarchies 02033
Displays, Plotting, Formatting, Software packages 03743
Education, Electric power generation, Computer programs, Displays, Loading 04953
Ergonomics, Automation, Mathematical models, Monitoring 05216
Image processing, Pattern recognition, Structural analysis, Coding 00863
Information retrieval, Process control, Management science 02873
Input output devices, Lasers, Optometers, Cathode ray tubes, Ergonomics 03680
Inspection, Remote sensing, Automatic control, Underwater technology 00623
Military aircraft, Speech recognition, Modeling, Simulation, Testing 04691
Multiprocessing, Interactive systems, Programming, Controllers, Architecture 02057
Office automation, Displays, Personal computers, Touch sensitive screens 03752
Power plants, Control systems, Microprocessors, Computer graphics, Displays 03397
Robots, Computer aided manufacturing, Japan, Artificial intelligence 08551
Robots, Control systems, Training, Maintenance 05197
Robots, Pattern recognition, Collision avoidance control 00420
Simulation, Electronic equipment, Networks, Computer graphics 05514
Speech recognition, Systems analysis, Dissertation, User satisfaction 01486
Speech synthesis, Input output, Communications, Research and development 06207
Systems design, Artificial intelligence, Linguistics, Speech recognition 06277
Telecommunications, Systems design, Switching, Speech transmission 04606
Telecommunications, Terminals, Access, Psychology, Research and development 06094
Telecommunications, Terminals, Software development, Control systems 06208
Telecommunications, Terminals, Structural analysis, Research and development 06212
Management,
Communication networks, Technology, Resource management, Office automation 01293
Computer aided control, Petrochemical industry, Ethylene 00442
Control, Traffic, Networks, Reliability 08775
Data communications, Communication networks, Infotron ANM-800 06218
Electric power distribution, Loading, Control systems, Economics 06571
Electric power generation, Control systems, Cost benefit analysis 08356
Electric power generation, Demand analysis, Loading, Economics 00241
Electric power generation, Loading, Systems design, Decision making 00131
Electronic mail, Sorting, Performance, Productivity, Economics 05556
Electronic mail, Traffic, Economics, Planning 09452
Local area networks, Technology, Data transmission, Flow, Economics 04622
Military engineering, Robots, Technology, Research and development 08525
Military, Telephones, Research and development 06247
Networks, Compatibility, Economics, Standards 09424
Office automation, Integrated systems, Interfaces, Machine machine interactions 03757
Production control, Electric power generation, Wind energy, Turbines 08351
Railway engineering, Railway stations, Control systems, Videopult system 03768
Real estate, Micrographics, Hardware, Buying and selling 03985
Satellite communications, Interference, Frequency, Radios 01399
Software development, Standards, Research and development 07080
Solar energy, Electric power distribution, Solar power generation, Design 03372
Telecommunications, Networks, State of the art 04521
Telecommunications, Personal computers, Workstations, Word processing, Training 04662
Teleconferencing, Audio systems, Dissertation 09474
Typography, Office automation, Information processing, Output, Printers 07088
Management information systems,
Aircraft engineering, Instrumentation, Technology, Software packages 05264
Audio visual systems, Televisions, Technology 01339
Business, Telecommunications, State of the art 07835
Communication networks, Telephones, Diagnostics, Modems, Architecture 02998
Computer crime, Security, Local area networks, Personnel 08712
Data processing, File management 00605

Management information systems, (continued)
Electric power generation, Energy ... 06687
Meteorology, Computer graphics, Statistical analysis, Aerospace engineering ... 08691
Office automation, Business, Telecommunications, Speech transmission ... 05394
Office automation, Word processing, Electronic mail, Communication networks ... 03759
Systems design, Office automation, Data bases ... 00603
Transportation, Communication networks, Microcomputers, Terminals, Ridesharing ... 03014
Word processing, Data processing, Ships, Electronic mail ... 03012
Manganese,
Doping, Gallium arsenide, Diodes, Current voltage ... 08422
Doping, Zinc sulfide, Films, Electroluminescence, Chemical vapor deposition ... 00816
Electroluminescence, Degradation, Emitters ... 00818
Manganese telluride,
Ferromagnetism, Lasers, Spectral analysis, Dissertation ... 01123
Manipulators,
Computer aided manufacturing, Robots, Mechanical handling ... 02042
Control systems, Algorithms, Dynamics, Optimization, Dissertation ... 00422
Control systems, Simulation ... 05203
Controllers, Mechanical handling, Performance, Modeling, Dissertation ... 08526
Feedback, Control systems, Tracking, Time varying systems, Trajectories ... 00390
Integrated circuits, Dies, Packaging, Systems design, Image processing ... 07662
Joints, Mechanical handling, Boundary value problems, Algorithms, Design ... 02015
Mathematical models, Control systems, Actuators, Simulation ... 02037
Mechanical handling, Adaptive control, Dissertation ... 05174
Mechanical handling, Computer aided control ... 08562
Mechanical handling, Robots, Energy consumption ... 08523
Mechanical handling, Vision, Feeders, Performance, Search strategies ... 05202
Position control, Robots, Kinematics, Dynamics, Dissertation ... 03608
Robots, Arc welding, Hydraulic systems, Controllers, Research and development ... 05186
Robots, Collision avoidance, Navigation, Underwater technology ... 08687
Robots, Control systems, Actuators, Servomechanisms, Numerical analysis ... 05213
Robots, Control systems, Asymptotic behavior, Modeling ... 03600
Robots, Control systems, Numerical analysis ... 02054
Robots, Control systems, Robustness ... 06925
Robots, Control systems, Software development, Mechanical handling, Algorithms ... 02052
Robots, Controllers, Computer aided design, Software development ... 08557
Robots, Controllers, Modeling, Optimization, Dissertation ... 03610
Robots, Kinematics, Mechanical handling, Numerical analysis ... 08569
Robots, Kinematics, Software development ... 00394
Robots, Mechanical handling, Computer aided control, Kinematics ... 05198
Robots, Modeling, Kinematics, Transformations, Laboratories ... 08572
Robots, Optimal control, Modeling ... 05179
Robots, Production, Quality control, Control systems, Dissertation ... 06910
Torque, Velocity control ... 06930
Unmanned vehicles, Sensors, Underwater technology ... 07046
Welding, Robots, Computer aided control, Displays, Mechanical handling ... 08547
Manometers,
Electrostatics, Pressure, Transformers, Transducers, Amplifiers ... 06873
Manufacturing,
Aircraft engineering, Automation, Economics, McDonnell Douglas ... 08514
Automation, Robots, Labor relations ... 05210
Automation, Robots, Numerical control ... 03882
Automotive engineering, Gear trains, Robots, Assembling, Automation ... 05189
Biomedical engineering, Prosthetics, Research and development ... 05345
Bipolar devices, Integrated circuits, Process development ... 06018
Contacts, Silver, Alloys, Oxidation, Atomization ... 07236
Control systems, Distributed systems, Process control, Systems design ... 03571
Distribution, Inventory control, Mail handling, Computer aided control ... 02127
Electric power generation, Productivity, Economics, Steam turbines ... 05021
Electronic equipment, Quality control, Life cycle testing ... 02065
Electronic mail, Telecommunications, Equipment, Software development ... 04628
Fiber optics, Costs, Optimization ... 09364
Fiber optics, Glass, Drawing, Phosphates ... 04550
Fiber optics, Parameter estimation, Standards ... 07772
Fiber optics, Standards, Government policies, Marketing ... 06150
Fiber optics, Steel, Crack propagation, Loading, Composite materials ... 05038
Fiber optics, Technology, Telecommunications, Research and development ... 06140
Japan, Meteorology, Satellite communications, Data collection ... 05377
Lasers, Production, Marketing, Economics, Germany ... 05733
Magnetic storage, Disks, Thin films, Research and development ... 02677
Metals, Magnetic tapes, Particles, Surface properties ... 05869
Pipes, Welding, Furnaces, Inspection, Transducers ... 05067
Power supply, Voltage, Materials testing, Process development, Control systems ... 04906
Private branch exchange, Switching, Standards ... 08714
Pulse code modulation, Systems design, Maintenance, Energy consumption ... 04618
Robots, Aerospace industry, Drilling, Grinding, Research and development ... 06915
Robots, Automotive industry, Technology ... 00424
Robots, Computer aided control, Pallets, Packaging, Research and development ... 06916
Robots, Economics, Europe ... 06907
Robots, Marketing, Finance, Industry, Resource management ... 05191
Robots, Mechanical handling, Welding, Research and development, Italy ... 02032
Robots, Productivity, Automation, Economics, Taiwan ... 02030
Robots, Welding, Numerical control, Machinery, Loading ... 06918
Robots, Welding, Research and development, Design ... 06921
Silicon, Solar cells, Evaporation, Vacuum technology ... 07284
Software development, Hydraulic control equipment, Vision, Robots ... 02028
Solar cells, Technology, Economics ... 07274
Speech transmission, Electronic mail, Marketing, Patent ... 03048
Transformers, Design, Economics, Reliability, Service life ... 04910
Turbogenerators, Metals, Superconductors, Research and development ... 07454
Welding, Lasers, Quality control, Seals, Technology ... 04048
Mapping,
Acoustics, Transmission lines, Electromagnetic fields, Minerals and ores ... 03218
Aerial photography, Image processing, Environmental protection, Saudi Arabia ... 02214
Aerial photography, Remote sensing, Agriculture, Microcomputers, Classification ... 02235
Aerial photography, Remote sensing, Ecology, Image processing ... 02226

Mapping, (continued)
Cartography, Agriculture, Remote sensing ... 05
Cartography, Computer graphics, Interactive systems, Italy, Telephone company ... 02
Cartography, Image processing, Scanning, Spectral analysis, Economics ... 02
Cartography, Image processing, Scanning, Topology, Color ... 02
Cartography, Photography, Distortion, Photogrammetry, Image processing ... 05
Cartography, Space technology, Planning, Data collection ... 02
Classification, Remote sensing, Image processing, Satellite communications ... 02
Color, Satellite communications, Image processing, Classification, Scotland ... 02
Computed tomography, Synthetic aperture radar, Algorithms ... 06
Computer aided analysis, Training, Personnel, Problem solving ... 02
Computer graphics, Computer aided design, Image processing ... 08
Computer graphics, Video systems, Displays, Circuitry, Hybrids ... 05
Computer programs, Mathematical models, Image processing ... 00
Computer programs, Solar energy, Photography, Remote sensing ... 02
Data bases, Geology, Image processing, Simulation, Displays ... 00
Data bases, Remote sensing, Random variables, Modeling ... 02
Data transmission, Filters, Transformations, Delay, Design ... 00
Detectors, Electromagnetic waves, Radioastronomy, Interferometry ... 04
Diffraction tomography, Imaging, Seismology ... 02
Displays, Remote sensing, Image processing, Radar, Aircraft ... 02
Distributed systems, Security, Modeling, Stability, Organization and methods ... 06
Drainage, Labor economics, Channels, Algorithms, Computer aided analysis ... 00
Electric power generation, Surface properties, Grounding, Resistance ... 04
Electromagnetic waves, Video systems, Pulse generation, Radar, Dissertation ... 07
Electrostatics, Potentials, Magnetosphere, Magnetic fields ... 07
Environmental protection, Resource management, Computer graphics ... 02
Forestry, Remote sensing, Image processing, Software development ... 02
Fuels, Resource management, Fires, Control systems, California ... 02
Geodesy, Cartography, Cameras, Coordinate systems, Astronomy ... 02
Geodesy, Remote sensing, Radiometers, Thermal variables measurement ... 03
Geography, Data collection, Topography, Computer graphics, Photogrammetry ... 02
Geography, Floods, Satellite communications, Computer graphics ... 02
Geography, Remote sensing, Education, United States ... 02
Geography, Remote sensing, Structural analysis, Bands, Statistical analysis ... 03
Geology, Cartography, Data bases, Raster displays, Data collection ... 02
Geology, Data structure, Information processing, Feature analysis ... 02
Geology, Image processing, Energy resources, Mineralogy ... 08
Geology, Image processing, Photography, Color, Simulation ... 02
Geology, Image processing, Spectral analysis, Data processing, Thermodynamics ... 07
Geometry, Aerospace industry, Guidance and control systems, Data processing ... 00
Image processing, Aerial photography, Resource management, Remote sensing ... 02
Image processing, Cameras, Electronic equipment, Productivity, Automation ... 02
Image processing, Data collection, Aerial photography, Factor analysis ... 02
Image processing, Noise, Cartography ... 05
Image processing, Pixels, Correlation coefficients, Error, Spectral analysis ... 05
Image processing, Radar, Pattern recognition, Geography ... 07
Image processing, Radar, Quality control, Satellite communications, Geology ... 07
Image processing, Remote sensing, Geology, Photography, Identification ... 05
Image processing, Remote sensing, Mathematical models, Arrays, Sensors ... 03
Image processing, Satellite communications, Films, Data processing ... 00
Image processing, Statistical analysis, Distributions, Dissertation ... 08
Infrared, Satellites, Communications, Aerospace engineering, Military ... 05
Irrigation, Remote sensing, Infrared, Electrooptics, Scanning ... 034
LANDSAT, Remote sensing, Pattern recognition, Scene analysis ... 021
Least squares estimation, Filtering, Autoregressive analysis, Identification ... 047
Military engineering, Computer graphics, Displays, Data bases, Terrain analysis ... 022
Mining, Coal, Resource management, Data bases, Computer aided analysis ... 022
Pattern recognition, Spectral analysis, Floods, Radiometers ... 036
Photogrammetry, Automation, Density, Image processing, Systems analysis ... 022
Photogrammetry, Classification, Resource management, Pattern recognition ... 022
Photogrammetry, Computer aided analysis, Computer graphics, Programming ... 022
Photogrammetry, Costs, Modeling, Data collection ... 022
Photogrammetry, Satellite communications, Image processing, Greece ... 036
Plotting, Computer aided analysis, Cartography, Resource management ... 022
Polarization, Image processing, Space technology, Moon ... 087
Radar, Image processing, Geology, Remote sensing, Structural analysis ... 070
Radar, Image processing, Optics, Geology, Interactive systems ... 070
Radar, Image processing, Remote sensing, Spacecraft ... 022
Radar, Protons, Pulse generation ... 070
Radar, Tracking, Oil wells, Research and development, Drilling ... 062
Radio astronomy, Polarization, Spectral analysis, Galaxies ... 070
Radiometry, Calibration ... 086
Raster displays, Computer graphics, Interactive systems, Geography ... 022
Raster displays, Data structure, Geography, Information systems ... 022
Raster displays, Plotting, Data structure, Image processing ... 022
Remote sensing, Acoustic waves, Ice ... 053
Remote sensing, Autocorrelation, Image processing, Simulation ... 070
Remote sensing, Displays, Computer graphics, Image processing ... 022
Remote sensing, European Space Agency, Landsat-4 ... 070
Remote sensing, Image processing, Calibration, Thematic mapping ... 070
Remote sensing, Image processing, Synthetic aperture radar, Resolution ... 053
Remote sensing, Radar, Hydrology, Meteorology, Snow cover ... 070
Remote sensing, Radiometers, Satellites, Geography ... 070
Remote sensing, Resource management, LANDSAT, Forest management ... 021
Remote sensing, Satellite communications, Topography ... 022
Remote sensing, Soil science, Geology, LANDSAT ... 070
Remote sensing, Soil science, Mineralogy, Thematic mapping ... 086
Resource management, Identification, Classification, Spectral analysis ... 053
Satellite communications, Image processing, Groundwater, Egypt ... 022
Satellite communications, Image processing, Resource management ... 022
Satellite communications, Mirrors, Scanning, Error, Surface properties ... 070
Saudi Arabia, Resource management, Image processing, Satellite communications ... 022
Scanners, Data structure, Software development, Spectral analysis ... 005
Scanning, Measurement, Semiconductors, Microprocessors, Control systems ... 025
Scanning, Remote sensing, Image processing, Transformations, Automation ... 021

pping, (continued)
Signal processing, Oceanography 08667
Signals, Pattern recognition, Sampling methods 06324
Simulation, Signal processing, Forestry, Data collection, Spectral analysis 08648
Sonar, Oceanography, Remote sensing, Image processing 06304
Sonar, Shallow water, Hydrographic surveys 09520
Spacecraft, Image processing, Televisions, Topography 02200
Spectral analysis, Scanning, Information processing, Testing 05352
Thermal variables measurement, Data collection, Satellite communications 02191
Topography, Image processing, Astronomy, Extraterrestrial bodies 02230
Topography, Image processing, Remote sensing, Satellite communications, Cameras 02220
Transmission lines, Coupling, Capacitance 07479
Uncertainty, Design, Geography, Probability, Modeling 02229
Urban planning, Environmental protection, Data bases, Information systems 02193
Vision, Radiometry, Sensitivity, Error, Image processing 03994
rine engineering,
Acoustics, Microprocessors, Buoy systems, Data collection, Performance 06305
Acoustics, Sound propagation, Frequency 07058
Automatic control, Radar, Position control 04709
Communication networks, Data processing, Navigation, Online systems 03090
Data transmission, Satellites, Seismology, Signal processing 00556
Data transmission, Seismology, Satellites 00555
Electronic equipment, Computer aided control, Technological forecasting 00706
Japan, Telecommunications, INMARSAT 09412
Lasers, Communication networks, Filters, Optics, Submarines 05468
Microwaves, Transistors, Radar, Transmitters 04725
Navigation, Integrated circuits, Sensors, Receivers, Radios 04702
Navigation, Position control, Microprocessors 09484
Navigation, Position control, Satellites, Technological forecasting 04700
Navigation, Radar, Microprocessors 03106
Navigation, Radio communications 09318
Navigation, Safety systems, Harbor installations, Automation 00620
Radar, Ships, Accidents 04705
Radar, Signal processing, Displays, Testing, Meteorology 07869
Safety, Satellite communications, Protocols, Electronic equipment, Failure 06115
Safety systems, Telecommunications, Government regulations, Standards 04698
Satellite communications, Mobile systems, Research and development 06197
Satellites, Business statistics, Launching facilities, Telemetry 01402
Ships, Control systems, Engines, Propulsion, Automation 02331
Ships, Guidance and control systems, Optimal control 05224
Sonar, Underwater technology, Image processing, Navigation, Modeling 07879
Telemetry, Capital investment, Satellites 02978
Telemetry, Satellites, Business forecasting, Capital investment 02979
Telephones, Telecommunications, Satellite communications, Data transmission 00495
Underwater technology, Fiber optics, Transmission, Cables 07761
Underwater technology, Navigation, Robots 08539
Underwater technology, Navigation, Robots, Position control 08538
Velocity measurement, Drilling, Stress 05127
arine technology,
Local area networks, Telecommunications, Oceanography 09423
Navigation, Acoustics 09486
Navigation, Acoustics, Calibration 09487
Navigation, Acoustics, Signal processing, Computer aided control 09489
Offshore structures, Remote sensing, Conferences, Oceans '84 08665
Position control, Navigation, Acoustics 09488
Probes, Remote sensing, Precision engineering 08680
Remote sensing, Interferometry, Salinometers, Design 08681
Remote sensing, Probes, Calibration 08679
arketing,
Commerce, Microcomputers, Video systems, Televisions 05558
Communication networks, Government regulations, Satellite communications 07796
Electronic equipment, Telephones, Private branch exchange, Automation 01467
Fiber optics, Manufacturing, Standards, Government policies 06150
Gallium arsenide, integrated circuits, Technological forecasting 04365
Lasers, Production, Manufacturing, Economics, Germany 05733
Private branch exchange, Telephones, Speech transmission, Automation 01468
Robots, Design, Mechanical handling, United Kingdom 02031
Robots, Finance, Industry, Resource management, Manufacturing 05191
Satellite communications, Broadcasting, Signal transmission 03633
Satellite communications, Electronic equipment, Economics, Technology 07788
Speech transmission, Electronic mail, Manufacturing, Patent 03048
Telecommunications, Videotex 06127
Telephones, Management, Service life, Technology, Telecommunications 06265
Videotex, Teletext, Finance, Economics, Technological forecasting 02914
asers,
Cyclotron resonance, Electromagnetics, Radiation 06413
Cyclotrons, Frequency, Simulation 07342
Cyclotrons, Resonance, Magnetic fields, Wave propagation 07368
Gyrotrons, Frequency, Resonance, Tuning 06467
Gyrotrons, Harmonics, Microwaves, Millimeter waves 08994
Harmonics, Current, Dynamics, Numerical analysis 00931
Hydrogen, Magnetic fields, Atoms, Performance, Optimization 08980
Hydrogen, Noise, Frequency, Receivers, Stability 08975
Lasers, Electron beams, Pulse generation, Cyclotrons, Oscillation 01066
Oscillation, Resonators, Magnetic fields, Electrons 07361
Theoretical analysis, Waveguides, Diocotrons, Stability 07358
asks,
Alignment, X-rays, Lithography, Microelectronics 08411
CMOS, Transistors, Circuitry, Design 07571
Fabrication, Semiconductors, Imaging, Lithography 07665
Integrated circuits, Fabrication 06078
Integrated circuits, Simulation, Monte Carlo method, Implants 06006
Lithography, Radiation, Distortion, Thermal variables measurement 00829
Metal oxide semiconductors, Oxidation, Fabrication, Integrated circuits 02862
Optics, Printing, Illumination, Image processing, Integrated circuits 02839
Radiation, Detectors, Fabrication 06892
Masks, (continued)
Silicon, Solar cells, Fabrication, Ion implantation, Pnn junctions 05653
Space charge, Transistors, Pn junctions, Gallium arsenide 01161
Televisions, Focusing, Image processing 03907
Thin films, Microelectronics, Electrooptics, Book 04514
Mass spectrometers,
Polymers, Process control, Solvents, Resins, Chemical variables measurement 00369
Superconductivity, Magnets, Cyclotrons, Ions 04146
Mass spectrometry,
Cosmic rays, Aluminum, Beryllium, Isotopes, Dating techniques 00309
Dosimetry, Radioisotopes, Iodine, Astrophysics 00304
Ionic conduction, Current, Amplifiers, Circuitry 05523
Ions, Dissociation, Electric fields 06723
Ozone, Calibration, Stratosphere, Dissertation 05382
Mass spectroscopy,
Particles, Aerosols, Atmospheric conditions, Monitoring 08704
Mass storage,
Control systems, Automatic control, Focusing 01499
Mass transfer,
Electromigration, Thin films, Integrated circuits, Surface properties 02467
Hydrodynamics, Electrodialysis, Process development, Desalination 02322
Process development, Electrodialysis, Hydraulic control equipment, Desalination 02320
Materials planning and control,
Ceramics, Automatic control, Sensors, Moisture measurement 02005
Composite materials, Plastics, Electric appliances, Domestic appliances 02459
Computer aided manufacturing, Production control, Technology 06939
Cryogenics, Helium, Liquefied gases, Superconductors 04217
Dielectric permittivity, Capacitors, Castor oil, Polypropylene 01106
Field effect transistors, Semiconductors, Millimeter waves, Noise 01238
Modular design, Solar cells, Semiconductors 00797
Nondestructive testing, X rays, Composite materials, Quality control 01912
Optical devices, Current, Electrodes, Integrated circuits, Polymers 02781
Packaged components, Modular design, Solar cells, Polymers 00218
Photoresists, Plating, Solar cells 00225
Photovoltaics, Cadmium sulfide, Cuprous sulfide, Fabrication, Dissertation 00795
Printed circuit boards, Packaged components, Integrated circuits, Ceramics 04509
Service life, Capacitors, Metal oxide semiconductors, Silicon 02478
Silicon dioxide, Solar energy, Fuel cells, Diffusion 00203
Solenoids, Magnetohydrodynamics, Superconductivity, Magnets 04144
Superconductivity, Linear accelerators, Magnets 04140
Superconductors, Signal processing, Analog systems, Dielectric constants 04744
Surge arresters, Thermal variables measurement, Modeling 00103
Transformers, Fluidics, Dielectrics 00090
Waveguides, Ultrasonics, Cladding, Elastic waves 01046
Wavelengths, Fiber optics, Amplifiers, Detectors 01375
Materials recovery,
Batteries, Lead, Wastes, Process development, Energy storage components 03333
Casting, Electrodes, Arc melting, Vacuum technology 01890
Radioactive materials handling, Gamma radiation, Measurement, Neutron counters 04987
Transformers, Insulators, Oil, Chemical variables measurement 01739
Materials testing,
Acoustic emissions, Nondestructive testing, Structural analysis 05113
Aircraft, Electronic equipment, Packaging, Failure, Process development 06070
Artificial intelligence, Telepresence, Technology, Research and development 05209
Auger electron spectroscopy, Spectral analysis, Process development 02544
Biomedical engineering, Corrosion, Wear, Thermodynamics, Simulation 08642
Biomedical engineering, Loading, Mechanical strength 08643
Biomedical engineering, Polymers, Performance, Elasticity, Molding 08645
Biomedical engineering, Prosthetics, Mechanical strength, Cement 08644
Cables, Electric variables measurement, Thermal insulation, Stress, Polymers 04919
Cables, Stability, Manufacturing, Fiber optics 09330
Circuitry, Wire processing, Assembling, Technological forecasting 06076
Combustion, Cables, Epoxy resins 08180
Cryogenics, Insulators, Transmission lines, Superconductivity 04261
Cryogenics, Radiation, Transmission, Receivers 07443
Cryogenics, Transmission lines, Pressure, Heat transfer 00113
Data collection, Research and development, Circuit breakers, Automation 00105
Density measurement, Transducers, Reliability 09144
Elasticity, Vibration, Nondestructive testing, Transducers 09133
Electric variables control, Thermal insulation, Cables, Spacecraft, Pressure 06564
Electrooptics, Crystal growth, Crystal structure, X-rays, Diffraction 02542
Electrostatics, Adhesion, Surface properties, Measurement, Dissertation 00001
Epoxy resins, Thermal insulation, Electronic equipment, Surface properties 04939
Fiber optics, Cables, Mechanical strength, Submarines, Design 09328
Fiber optics, Communications, Cables, Bandwidths 07762
Fiber optics, Signal transmission, Fault detection, Submarines, Cables 07710
Films, Sensors, Thermodynamics, Simulation, Modeling 07463
Fuel cells, Electrolytes, Propulsion, Research and development 08316
Gain, Plant and factory layout, Photodevices, Solar energy, Standards 01831
Image processing, X-rays, Inspection, Computed tomography, Industry 03999
Inspection, Electric variables measurement, Magnetic variables measurement 07227
Insulators, Electric fields, Biology 08293
Integrated circuits, Damage, Computer aided analysis 06052
Integrated circuits, Packaged components, Ceramics, Thermal expansion 07660
Ionizing radiation, Telecommunications, Electric power generation 00375
Ions, Etching, Microelectronics, Electrooptics 02551
Josephson junctions, Process development, Integrated circuits 04106
Lasers, Insulators, Fusion 07418
Lasers, Process control, Thermodynamics, Metals, Eddy currents 05068
Lasers, Pulses, Wavelengths, Research and development, Beams 05748
Lasers, Quality control, Process development, Inspection, Industry 05790
Liquids, Magnetic variables measurement, Deformation, Mechanical strength 08454
Magnetic tapes, Friction, Surface properties, Polymers, Performance 07530
Magnetic variables measurement, Density, Finite element method 07516
Metals, Corrosion resistance, Electrodes, Heating systems 03903
Microelectronics, Thermal variables measurement, Shock waves, Seals 02795

Materials testing, (continued)
- Microelectronics, Wire processing, Elasticity, Binding ... 05557
- Millimeter waves, Interferometers, Dielectricity, Optical analysis ... 03487
- Millimeter waves, Polarization ... 01899
- Nondestructive testing, Acoustic emissions, Mechanical strength ... 03520
- Nondestructive testing, Acoustics, Optics, Lenses, Dissertation ... 06849
- Nondestructive testing, Eddy current, Numerical analysis ... 00286
- Nondestructive testing, Electromagnetics, Photography ... 08457
- Nondestructive testing, Magnetic variables measurement ... 03497
- Nondestructive testing, Radiography, Xerography ... 03455
- Nondestructive testing, Radiometry ... 08397
- Nondestructive testing, Ultrasonic testing, Performance ... 00326
- Nuclear energy, Instrumentation, Calibration, Measurement errors ... 08507
- Optical communications, Image processing, Mixers, Waves ... 07327
- Optical communications, Image processing, Modulation, Performance ... 07299
- Optical systems, Design, Thermal variables measurement, Astrophysics ... 00281
- Polymers, Voltage, Circuitry, Electric power generation ... 05564
- Power supply, Voltage, Process development, Control systems, Manufacturing ... 04906
- Radiation, Anions, Ion exchange, Resins ... 03916
- Radiation, Dosimetry, Cables, Polymers, Magnetic fields ... 03912
- Recording systems, Lasers, Optical storage ... 01495
- Robots, Vision, Sensors, Semiconductors, Optics ... 06911
- Sensitivity, Service life, Tellurium, Thin films, Optical storage ... 01509
- Sensors, Electric variables control, Alloys, Nickel, Iron ... 04337
- Solar energy, Mirrors, Monitoring ... 03367
- Spacecraft, Motors, Nozzles, Design, Vibration ... 04878
- Spectral analysis, Packaged components, Microelectronics, Failure ... 02854
- Springs, Mechanical strength, Fatigue, Stress, Computer aided analysis ... 08385
- Stability, Gadolinium cobalt, Rare earths, Recording systems ... 01519
- Structural analysis, Polymers, Circuitry, Packaging, Composite materials ... 06074
- Superconductivity, Composite materials, Niobium, Titanium, Alloys ... 04104
- Surface properties, Corrosion prevention, Solar collectors ... 03363
- Surface properties, Infrared, Optics, Gas lasers ... 09026
- Surface texture, Refractive indices, Thin films, Optical storage ... 01512
- Telecommunication equipment, Thermal insulation, Telephones, Conductors ... 09453
- Thermal variables control, Magnetic variables control, Recording systems ... 07515
- Thermal variables measurement, Deformation, Physical properties ... 06710
- Thermal variables measurement, Service life, Batteries, Rubber ... 00187
- Thermal variables measurement, Substrates, Solar energy, Films ... 00212
- Thermocouples, Thermal variables measurement, Phase change ... 08381
- Ultrasonic transducers, Nondestructive testing, Flaw detection ... 02661
- Ultrasonics, Acoustics, Instrumentation, Sensors, Inspection ... 05104
- Wire processing, Stress, Thermal variables measurement, Moisture control ... 06054

Mathematical modeling,
- Fatigue, Aircraft, Gauges, Crack propagation, Dissertation ... 00461
- Noise, Interference, Data transmission, Channels, Dissertation ... 01572
- Relaxation, Electron beams, Magnetic fields ... 00266

Mathematical models,
- Amplifiers, Circuitry, Signal processing, Voltage, Education ... 07189
- Architecture, Networks, System theory ... 07157
- Atmospheric conditions, Aerosols, Dissertation ... 08698
- Atmospheric conditions, Boundary layers, Turbulence, Pollutant dispersion ... 07062
- Attenuation, Wave propagation, Radio frequency ... 01619
- Biomedical engineering, Imaging, Pattern recognition ... 05297
- Black bodies, Radiation, Electromagnetics ... 08009
- Charge coupled devices, Multiplexing, Infrared, Photodiodes, Dissertation ... 07262
- Circuitry, Machinery, Rotors, Harmonics ... 00065
- Circuitry, Numerical analysis, Matrices ... 08781
- Communications, Channels, Transmission, Crisis calls ... 03123
- Computer aided analysis, Solar cells, Sheet resistance ... 08878
- Configurations, Voltage, Transducers, Magnetoresistance, Hall effect ... 02668
- Control systems, Actuators, Simulation, Hydraulic control equipment ... 02037
- Converters, Transmission lines, Thyristors, Book ... 08839
- Current voltage, Buses, Classification ... 01872
- Current, Voltage, Coronas, Statistical analysis ... 04904
- Current voltage, Stability, Circuitry, Interrupter, Simulation ... 00237
- Cytology, Neurology, Electric variables measurement, Impedance, Vision ... 05334
- Delay, Neurophysiology, Networks, Probability, Artificial intelligence ... 05329
- Dosimetry, Spectral analysis, Radiation, Least squares estimation ... 00195
- Earth electrodes, Computer aided analysis ... 06583
- Eddy current, Conductors, Vacuum technology, Density, Finite element method ... 06764
- Electric fields, Filters, Combustion products, Arrays ... 03783
- Electric power generation, Buses, Generators, Classification, Online systems ... 04945
- Electric power generation, Cost benefit analysis, Wind energy ... 01863
- Electric power generation, Polymers, Materials testing, Circuitry ... 05564
- Electric power generation, Wind energy, Statistical analysis, Dissertation ... 00230
- Electrical resistance, Transmission lines, Solenoids, Superconductors ... 04210
- Electromagnetic fields, Theoretical analysis, Helicity ... 08453
- Electromagnetic fields, Wave propagation, Huygens principle, Maxwell equations ... 08007
- Electromagnetics, Thermal variables control, Wire, Circuitry ... 06401
- Electrostatics, Pollution control, Electronic equipment ... 02463
- Electrostatics, Problem solving, Finite element method ... 06793
- Energy conservation, Reciprocity, Wave propagation, Electromagnetic fields ... 01622
- Energy conversion, Solar heating ... 06666
- Feedback, Controllers, Eigenvalues, Design, Testing ... 00425
- Fiber optics, Waveguides, Polarization ... 09388
- Finite difference method, Magnetic fields, Turbomachinery, Generators, Voltage ... 06819
- Finite element method, Communication networks, Simulation, Motors, Mathematics ... 01682
- Gas lasers, Carbon dioxide, Injection, Electric variables control ... 07391
- Gases, Spectrometry, Contamination, Adsorption ... 05134
- Geomagnetism, Gravity waves, Filtering ... 04748
- Helicopters, Automatic control, Autopilot ... 06971
- Hydrology, Remote sensing, Image processing, Research and development ... 03687
- Hyperthermia, Biology, Tissues, Cancer ... 05340
- Inductance, Transmission lines, Josephson junctions, Computer aided analysis ... 04267
- Information processing, Neurophysiology, Signal processing, Delay, Feedback ... 05332

Mathematical models, (continued)
- Integral equations, Transmission lines, Current voltage ... 09
- Interference, Televisions, Receivers, Mobile systems, Signal transmission ... 01
- Magnetic variables measurement, Surface properties, Mechanical strength ... 06
- Mapping, Computer programs, Bathymetric charts, Image processing ... 00
- Mapping, Image processing, Remote sensing, Arrays, Sensors ... 03
- Metal oxide semiconductors, Logic circuits, Complementary transistors ... 02
- Microelectronics, Circuitry, Diagnostics, Conductance, Controllers ... 01
- Microprocessors, Memory, Control systems ... 01
- Monitoring, Ergonomics, Man machine interactions, Automation ... 05
- Motors, Dynamics ... 06
- Neurons, FitzHugh Nagumo equations ... 06
- Neurophysiology, Networks, Cytology, Structural analysis ... 05
- Nondestructive testing, Acoustic emissions, Reverberational test chambers ... 00
- Nonlinear systems, Structural analysis, Parameter estimation ... 05
- Numerical analysis, Circuitry ... 08
- Numerical analysis, Microwaves ... 08
- Optics, Stability, Resonators, Cavities ... 06
- Oscillation, Current voltage, Josephson junctions, Magnetic fields ... 04
- Photography, Erosion, Soil science ... 08
- Photoreceptors, Sensitivity, Neurology ... 05
- Piezoelectricity, Cells, Excitation ... 09
- Piezoelectricity, Transducers, Acoustics, Arrays, Goal programming ... 02
- PN, Arctic, Noise, Acoustic variables measurement, Spectral analysis ... 04
- Power systems, Flow, Voltage ... 06
- Power systems, Stability, Transmission ... 08
- Radar, Image processing, Gravity waves, SAR ... 09
- Radiation dosimetry, Radioisotopes, Alpha radiation, Measuring instruments ... 05
- Radios, Mobile systems, Channels, Interference, Probability ... 01
- Repair, Failure, Systems design, Reliability, Inspection ... 03
- Research and development, Electromagnetic fields ... 03
- Resonance, Transmission lines, Frequency ... 06
- Robots, Mechanical handling, Arm movement ... 02
- Rotors, Generators, Frequency, Circuitry, Numerical analysis ... 06
- Semiconductors, Insulators, Fabrication ... 09
- Semiconductors, Surface properties, Potentials ... 07
- Signal processing, Noise ... 04
- Solar cells, Current density, Voltage ... 07
- Space engineering, Antennae, Attitude control ... 00
- Spacecraft, Stability, Magnetic variables control, Bearings, Rotors ... 06
- Spread spectrum communications, Interference, FH/MFSK ... 09
- Spread spectrum communications, Synchronization, Frequency, Dissertation ... 03
- Terminals, Transmission lines, Circuitry, Fault detection, Dissertation ... 09
- Thermal variables control, Power plants, Control systems, Automation, Loading ... 01
- Thyristors, Power systems, Stability, Transportation ... 08
- Transducers, Fault detection, Nondestructive testing ... 02
- Transmission lines, Electric power generation, Current, Relays, Dissertation ... 05
- Transmission lines, Grounding ... 04
- Transmission lines, Reflection, Wave propagation, Laplace transforms ... 09
- Turbogenerators, Rotors, Eddy current ... 03
- Turbulent flow, Magnetohydrodynamics, Electric fields ... 00
- Ultrasonics, Signal processing, Biomedical engineering ... 05
- Utilities, Electric power generation, Planning ... 08
- Very large scale integration, Circuitry, Technology, Semiconductors ... 07
- Vision, Signal processing, Amplitude, Kinematics, Optics ... 05
- Vision, Systems analysis, Integrodifferential equations, Circuitry, Simulation ... 05
- Visual perception, Color, Signal processing ... 05
- Wave propagation, Radio frequency, Scattering ... 01
- X-ray radiation, Computed tomography, Filters, Radiology ... 03

Measurement,
- Acoustic emissions, Instrumentation, Noise, Transducers, Nondestructive testing ... 051
- Acoustics, Nondestructive testing, Elastic waves ... 019
- Acoustics, Sensors ... 035
- Acoustics, Structural analysis, Pressure, Radiation, Dissertation ... 068
- Aircraft, Stability, Turbulence, Boundary layers, Flow ... 090
- Anemometers, Flow, Frequency, Cylinders ... 083
- Anemometers, Velocity, Flow, Lasers, Signal processing ... 035
- Boundary layers, Turbulence, Flux, Thermodynamics, Wind ... 053
- Calibration, Frequency, Transducers, Force, Modal analysis ... 058
- Circuitry, Fabrication, Inspection, Computer aided analysis, Vision ... 076
- Circuitry, Pressure, Transducers, Frequency, Loading ... 075
- Coatings, Surface properties, Lasers, Optics, Technology ... 090
- Computer programs, Simulation, Flow, Desktop systems ... 035
- Cryogenics, Transducers, Flow of gases, Density, Velocity ... 084
- Dielectrics, Circuitry, Coaxial cables, Parameter estimation ... 043
- Dielectrics, Transmission lines, Numerical analysis ... 091
- Ecology, Resource management, Agriculture, Transducers, Leaf wetting ... 058
- Electric power generation, Transverters, Realtime systems ... 019
- Electric power generation, Voltage, Capacitors, Transformers, Calibration ... 049
- Electric power generation, Voltage, Testing, Loading, Computer aided analysis ... 050
- Electromagnetics, Scattering, Automation, Minicomputers ... 034
- Electrostatic precipitators, Particle size, Vibration, Electric fields ... 035
- Error, Image processing, Computed tomography ... 036
- Fault detection, Circuitry ... 054
- Fiber optics, Sensors, Lasers, Flow, Simulation ... 043
- Filters, Signal processing, Noise, Numerical analysis ... 071
- Frequency, Instrumentation, Calibration, Attenuators ... 080
- Frequency, Instrumentation, Vibration ... 084
- Frequency measurement, Signal processing, Algorithms ... 034
- Gamma radiation, Radioactive materials handling, Refuse disposal ... 049
- Gases, Absorption, Sensors, Fiber optics ... 093
- Gauges, Automatic control, Feedback ... 002
- Hydroelectric power generation, Frequency, Scanning, Simulation, Impedance ... 049
- Image processing, Biomedical engineering, X-rays, Signal to noise ratio ... 069
- Impedance, Microwave devices, Signal processing ... 000
- Instrumentation, Assays, Radioisotopes, Iodine, Nuclear medicine ... 007

rement, (continued)
umentation, Microelectronics, State of the art ... 03410
umentation, Nuclear medicine, Assays, Statistical analysis ... 00757
umentation, Nuclear medicine, Radioisotopes, Iodine, Hungary ... 00754
umentation, Nuclear medicine, Radioisotopes, Technetium, Pharmacology ... 00759
umentation, Precision engineering, Calibration, Frequency measurement, NBS ... 06781
umentation, Process analysis, Composition measurement, Filtering, Control ... 06381
umentation, Radioisotopes, Government regulations, Ionizing radiation ... 00761
umentation, Radioisotopes, Hospitals, United Kingdom ... 00756
umentation, Radioisotopes, Nuclear energy, Radium ... 00755
umentation, Radioisotopes, Nuclear medicine, Statistical analysis ... 00760
ation, Analog to digital conversion, Signal processing ... 06343
ers, Boundary layers, Supersonic flow, Dissertation ... 00359
ers, Carbon dioxide, Flow of gases, Probes, Thermodynamics ... 05749
ers, Carbon dioxide, Instrumentation, Research and development ... 05781
ers, Frequency, Stability ... 00902
ers, Instrumentation, Image processing, Photography, Holography ... 05780
ers, Velocimeters, Turbulence, Propellers, Flow of gases ... 05251
ers, Velocimeters, Turbulent flow, Combustion ... 02604
uefied natural gas, Pollutant detection, Dispersion, Air pollution ... 00366
gnetic variables control, Flow, Channels ... 05581
teorology, Distribution, Modeling, Statistical analysis, Attenuation ... 04819
teorology, Snow, Optics, Research and development ... 03726
crocomputers, Transducers, Error, Voltage, Frequency ... 05843
croprocessors, Current voltage, Waveforms, Frequency, Error ... 03463
croprocessors, Voltage, Frequency, Instrumentation ... 05076
crowave devices, Instrumentation, Design, Radiation, Atmospheric conditions ... 04536
rogen oxides, Furnaces, Emissions control, Air pollution ... 08496
eanography, Waves, State of the art ... 07057
tics, Sensors, Hydrogen ions ... 07296
tput devices, Instrumentation, Input devices, Tape punches ... 00596
ase locked loops, Modulation, Sensors, Lasers, Image processing ... 07428
otodevices, Image intensifiers, Veiling glare ... 02580
ecision engineering, Optics, Machinery ... 05058
lses, Signal processing, Frequency, Amplitude, Numerical analysis ... 08429
adiation, Nuclear reactors, Computer aided analysis ... 05151
adiation, Numerical analysis, Nuclear energy ... 08440
adiation, Spectroscopy, Physics, Optical analysis ... 08439
adiometers, Computer aided analysis, Mobile systems, Portability ... 05363
espiratory system, Impedance, Error, Signal processing, Statistical analysis ... 07012
bots, Computer aided control, Precision engineering, Testing ... 06913
bots, Gas turbines, Grinding, Inspection, Tolerance ... 05245
anning, Semiconductors, Mapping, Microprocessors, Control systems ... 02548
ensors, Calibration, Fiber optics ... 05597
gnal processing, Microwave devices, Field effect transistors, Calibration ... 07584
gnal processing, Transducers, Vibration, Magnetic variables measurement ... 07509
acecraft, Flight control systems, Modeling, Simulation, Wind ... 05262
andards, Fiber optics ... 07736
rain, Transducers, Gauges, Structural analysis, Mechanical strength ... 09157
ermal conductivity, Transducers, Probes ... 05848
ermal expansion, Instrumentation, Precision engineering, Dilatometers ... 00251
ermal variables control, Magnetic variables control, Recording systems ... 07515
ransducers, Vibration, Machinery, Economics, Purchasing ... 07500
ransducers, Vibration, Strain, Mechanical strength ... 09159
ransformers, Oil, Laboratories, Instrumentation, Research and development ... 04920
ibration, Amplitude, Instrumentation, Construction ... 05115
ision, Image processing, Medical electronics, Eyeball torsional movement ... 00526
elding, Inspection, Ultrasonics, Frequency, Performance ... 06847
ind turbines, Electric power generation, Velocity, Machinery, Performance ... 04862
surement errors,
dmittance, Cylindrical antennae, Current ... 00060
ircraft, Distance measurement, Position control, Synchronization, Radar ... 03100
mplifiers, Summation circuits, Phase shifts ... 00684
nalog to digital converters, Automation ... 07092
nalog to digital converters, Calibration, Automatic testing ... 08831
omputed tomography, Standards, X-rays ... 05706
onductivity, Field effect transistors, Metal oxide semiconductors, Hall effect ... 02737
urrent, Impedance, Resistance, Grounding ... 00096
ata collection, Ports, Dielectric permittivity ... 01099
lectroencephalograms, Signal to noise ratio, Filters, Adaptive control ... 00524
requency measurement, Acoustic variables measurement, Burst random excitation ... 03501
requency, Signal processing, Standards ... 08430
ears, Wheels, Instrumentation, Electronic equipment ... 06867
yroscopes, Guidance and control systems, Spacecraft, Position control, Sensors ... 02091
asers, Fluid dynamics, Simulation, Anemometers ... 02598
aterials testing, Nuclear energy, Instrumentation, Calibration ... 08507
etrology, Precision engineering, Transducers, Nondestructive testing ... 09154
etrology, Reliability, Quality control ... 00244
oise, Preamplifiers, Leak detection, Calibration, Multipliers ... 00691
ondestructive testing, Acoustic emissions, Wave propagation ... 01983
ondestructive testing, Ultrasonics, Vibration ... 08481
uclear magnetic resonance, Simulation, Image processing, Distortion ... 00270
hase shifts, Spectroscopy ... 00312
recision engineering, Flowmeters, Electromagnetics, Calibration ... 08498
adar, Gauges, Acoustic testing, Oceanography ... 02271
adar, Position control ... 03101
esearch and development, Guidance and control systems, Accelerometers ... 03646
ensors, Moisture measurement, Precision engineering ... 06872
ensors, Wave propagation, Oceanography, Buoys ... 02269
ignals, Extrema ... 06898
olerance, Spectral analysis, Parameter estimation ... 04781
ransmission lines, Sensors, Current density, Electric fields ... 07476
ltrasonics, Plastics industry, Nondestructive testing, Quality control ... 00347
oltage, Standards ... 00289
chanical handling,
griculture, Robots, State of the art ... 02328

Mechanical handling, (continued)
Arc welding, Controllers, Robots ... 02046
Arc welding, Economics, Robots ... 03596
Arc welding, Robots, Computer aided control ... 03609
Artificial intelligence, Automotive engineering, Robots ... 03601
Artificial intelligence, Automotive engineering, Robots ... 03602
Artificial intelligence, Conveyors, Robots, Process plants ... 03581
Artificial intelligence, Image processing, Fiber optics, Robots ... 09327
Artificial intelligence, Machining, Fettling, Robots ... 00414
Artificial intelligence, Production control, Computer aided manufacturing ... 02060
Artificial intelligence, Research and development, Robots, United Kingdom ... 05199
Artificial intelligence, Robots, Control ... 05201
Artificial intelligence, Robots, Technological forecasting, State of the art ... 02050
Artificial intelligence, Robots, Technological forecasting ... 08519
Assembling, Artificial intelligence, Computer aided manufacturing, Robots ... 08530
Assembling, Automation, Flexible manufacturing systems, Lasers ... 00386
Assembling, Flexible manufacturing systems, Robots ... 03591
Assembling, Injection molding, Conveyors, Quality control, Telephones ... 03044
Assembling, Operations, Automation ... 00397
Assembling, Production control, Artificial intelligence, Robots ... 00415
Assembling, Production control, Robots ... 00400
Assembling, Production control, Robots ... 03590
Assembling, Production control, Robots, Hitachi ... 03589
Assembling, Programmable controllers, Robots ... 06922
Assembling, Robots, Computer aided manufacturing, Research and development ... 02039
Assembling, Robots, Flexible manufacturing systems, Electronic equipment ... 01276
Automation, Assembling, Pallets ... 03570
Automotive engineering, Assembling, Computer aided manufacturing ... 06937
Automotive engineering, Assembling, Robots, GM ... 06928
Automotive engineering, Assembling, Robots, Jaguar ... 08520
Automotive engineering, Production control, Robots, Saab ... 05206
Automotive engineering, Robots, Drives, Hydraulic systems ... 03603
Automotive engineering, Robots, Purchasing, Computer aided manufacturing ... 02029
Automotive engineering, Welding, Artificial intelligence, Robots ... 08521
Computer aided manufacturing, Artificial intelligence, Robots ... 02043
Computer aided manufacturing, Machine tools, Flexible manufacturing systems ... 05180
Computer aided manufacturing, Robots, Artificial intelligence, Control systems ... 02042
Computer aided manufacturing, Robots, Software ... 00421
Control systems, Automation, Data processing, Design, Interface ... 02332
Controllers, Manipulators, Performance, Modeling, Dissertation ... 08526
Economics, Assembling, Production control, Robots ... 03594
Flexible manufacturing systems, Automation, Workstations ... 02041
Flexible manufacturing systems, Automotive engineering, Machine tools ... 00629
Hazardous materials handling, Testing, Production control ... 08540
Industry, Robots, Reliability, Structural analysis, Research and development ... 05187
Japan, Industrial plants, Production control, Robots ... 08522
Japan, Research and development, Robots, State of the art ... 05173
Machine tools, Retrofitting, Robots, Production, Technology ... 05182
Machine tools, Robots, Computer aided manufacturing, Technology ... 05181
Manipulators, Adaptive control, Dissertation ... 05174
Manipulators, Computer aided control ... 08562
Manipulators, Control systems, Simulation ... 05203
Manipulators, Joints, Boundary value problems, Algorithms, Design ... 02015
Nuclear power plants, Radioactive materials handling, Robots ... 05204
Position control, Programmable controllers ... 08544
Process control, Automation, Rolling mills ... 01242
Process control, Mail handling, Information retrieval ... 02317
Programming languages, Robots, Artificial intelligence, Computer aided control ... 00432
Research and development, Artificial intelligence, Robots, State of the art ... 05196
Research and development, Robots, Programmable controllers ... 06927
Robots, Aircraft engineering, Composite materials, Assembling, Cutting ... 05183
Robots, Artificial intelligence, Research and development ... 08518
Robots, Artificial intelligence, Vision, Sensors, Research and development ... 06908
Robots, Automatic control, Cleaning, Diesel engines ... 02044
Robots, Automotive industry, Assembling, Computer aided control ... 08546
Robots, Chemical process industry, PCB compounds ... 02062
Robots, Computer aided control, Kinematics, Pneumatic systems, Manipulators ... 05198
Robots, Computer aided control, Programming languages, Research and development ... 03599
Robots, Computer aided manufacturing, Valves, Control systems, Machining ... 08553
Robots, Control systems, Algorithms, Precision engineering, Microcomputers ... 00433
Robots, Control systems, Microprocessors, Intel 8086 ... 08565
Robots, Control systems, Sensors, Vision, Research and development ... 05212
Robots, Control systems, Software development, Manipulators, Algorithms ... 02052
Robots, Control systems, Stability ... 08552
Robots, Conveyors, Sensors, Cameras, Vision ... 02034
Robots, Design, Marketing, United Kingdom ... 02031
Robots, Design, Stair robots ... 08533
Robots, Electroplating, Semiconductors ... 01111
Robots, Forming processes, Molding ... 08531
Robots, Hazardous materials handling, Safety, Technology, Nuclear power plants ... 04986
Robots, Kinematics, Software development, Simulation ... 00394
Robots, Loading, Computer aided manufacturing ... 02027
Robots, Manipulators, Control systems, Robustness ... 06925
Robots, Manipulators, Energy consumption ... 08523
Robots, Manipulators, Kinematics, Numerical analysis ... 08569
Robots, Manufacturing, Welding, Research and development, Italy ... 02032
Robots, Occupational health, Welding, Cutting, Research and development ... 02045
Robots, Performance, Mathematical models, Arm movement ... 02022
Robots, Position control ... 08527
Robots, Position control, Laser machining ... 06923
Robots, Resistance welding, Electric variables control ... 08568
Robots, Sensors, Vision, Automation, Guidance and control systems ... 00440
Robots, Surface properties, Artificial intelligence ... 03587
Robots, Vibration control, Absorption ... 02049
Robots, Vision, Sensors ... 08279
Robots, Welding, Process development ... 02024

Mechanical handling, (continued)
Robots, Welding, Programming, Research and development, Japan 02025
Robots, Welding, Vision, Space shuttle 08601
Space technology, Robots, Artificial intelligence, Automation, Control systems 02040
Steel, Computer aided manufacturing, Robots, Assembling, Fencepost production 05190
Vision, Bar codes, Pattern recognition, Computer aided manufacturing 02297
Vision, Feeders, Performance, Manipulators, Search strategies 05202
Welding, Manipulators, Robots, Computer aided control, Displays 08547
Welding, Robots, Artificial intelligence, Computer aided manufacturing 03598
Work holders, Robots, Computer aided control 00426
Mechanical handling equipment,
Power plants, Conveyors, Control systems, Microprocessors 08413
Mechanical strength,
Biomedical engineering, Materials testing, Loading, Chemical variables control 08643
Biomedical engineering, Prosthetics, Cement, Materials testing 08644
Cables, Design, Stability, Binding, Performance 07466
Cables, Materials testing, Stability, Manufacturing, Fiber optics 09330
Carbon, Fibers, Graphitization, Electrical conductivity, Power systems 06579
Ceramics, Plasticity, Fatigue, Electric power transmission, Acoustic emissions 03305
Civil engineering, Pipes, Data bases, Reliability, Stress 02636
Fiber optics, Coatings, Fabrication, Testing 09365
Fiber optics, Coatings, Fusion splices 09393
Fiber optics, Design, Performance 01326
Fiber optics, Thermodynamics 01321
Image processing, Strain, Creep, Thermodynamics, Finite element method 03427
Induction motors, Failure, Coil winding machines, Electromagnetics 04874
Liquids, Magnetic variables measurement, Deformation, Materials testing 08454
Magnetic variables control, Convection, Flow, Compressible fluids, Porosity 05089
Magnetic variables measurement, Mathematical models, Surface properties 06829
Materials testing, Nondestructive testing, Acoustic emissions 03520
Measurement, Strain, Transducers, Gauges, Structural analysis 09157
Nondestructive testing, Steel, Magnetic variables measurement 00258
Plates, Optics, Nondestructive testing, Moire method 08388
Pressure, Transducers, Fiber optics, Stability 09132
Space technology, Wire processing, Thermal insulation, Coatings 05548
Thermal variables measurement, Electroplating, Gallium arsenide 04407
Transducers, Vibration, Strain, Measurement 09159
Transmission lines, Design, Loading, Reliability, Numerical analysis 05818
Underwater technology, Mining, Cables, Signal transmission, Fiber optics 07042
Mechanical variables control,
Electric variables control, Compressors, Induction motors 03289
Mechanical variables measurement,
Fiber optics, Strain, Compression testing 04565
Nondestructive testing, Metals, Stress measurement, Acoustoelasticity 00332
Shock measurement, Oscilloscopes 01886
Medical electronics,
Acoustics, Measurement, Cardiovascular system, Dissertation 06857
Biomedical engineering, Pulses, Computer aided analysis 02140
Cancer, Radiology, Thermal variables control 00529
Cardiovascular system, Data processing 07010
Cardiovascular system, Image processing, Pattern recognition 05312
Cardiovascular system, Image processing, X-rays 05313
Cardiovascular system, Monitoring, Automation, Microcomputers 03677
Cardiovascular system, Monitoring, Image processing, Synchronization 03674
Cardiovascular system, Simulation, Signal processing 03673
Computed tomography, Image processing, Quality control 03659
Dielectrics, Electromagnetics, Wave propagation 08044
Diffraction tomography, Imaging, Mapping 02576
Electric fields, Distributions, Conductive media, Numerical analysis 01948
Electrochemistry, Radiation, Dose response effects, Pollutant detection 03662
Holography, Image processing, Dissertation 06998
Holography, Image processing, Scanning, Computer graphics, Radiology 01003
Image processing, Filters, Simulation 05042
Image processing, X-rays, Quality control 05299
Imaging, Radiology, Quality control, Signal to noise ratio 02142
Imaging, Tumors 05302
Nuclear medicine, Imaging, Scintillation Cameras, Simulation 05300
Radiation dosimetry, Microwaves, Laboratory methods, Biology 00512
Radiology, Computed tomography 02571
Radiology, Computed tomography, Image processing, Reconstruction 03671
Radiology, Image processing, Resolution, Quality control 05304
Radiology, Image processing, Signal to noise ratio 03670
Radiology, Imaging 02145
Resonance, Power, Absorption 06989
Respiratory system, Fluid mechanics, Flow measurement, Transducers 07013
Respiratory system, Impedance, Parameter estimation, Frequency 08641
Signal processing, Blood, Flow measurement, Apple II Plus 05339
Simulation, Attenuation, Computed tomography, SPECT 05301
Simulation, Vision, Image processing, Eyeball torsional movement 00526
Medical research,
Bones, Dielectric permittivity, Electrical conductivity, Impedance 07014
Sensors, Neurophysiology, Magnetic fields, Superconductivity 04113
Medicine,
Algorithms, Image processing 08631
Imaging, Radiation Detectors, Masks, Fabrication 06892
Memory,
Analog to digital converters, Input output, Algorithms, Software development 05709
Arrays, Diodes, Optical storage, Recording systems, Lasers 09041
Automatic control, Tracking, Random access memory, Optical storage 01498
Bipolar devices, Circuitry, Logic, Transistors, Technology 09283
Bubble memory, Magnetic storage, Reliability, Modules, Random access memory 05857
Cells, Josephson effect, Design, Optimization 09295
Cells, Structural analysis, Crystal growth, Scanning, Fabrication 02726
Channels, Signal reception, Simulation, Signal to noise ratio 09567
Communication networks, Processors, Buses, Modules, Standards 05398
Computer aided analysis, Channels, Input, Pulses, Coding 05395
Memory, (continued)
Control systems, Mass storage, Optical storage 01
Control systems, Servomechanisms, Resistance, Electric variables measurement 03
Cryogenics, Optics, Density, Photochemistry 05
Data management systems, Gas lasers, Optical storage 00
Design, Circuitry, Bias, Redundancy, Thermodynamics 05
Electroluminescence, Voltage, Storage, Zinc sulfide, Erasing 00
Floppy disks, Disk drives, Commerce, Forecasting 02
Gallium arsenide, Correlators, Surface acoustic waves, Schottky diodes 05
Generators, Signal processing, Random processes, Noise, Circuitry 00
Integrated circuits, Microcomputers, Input output, Measurement 06
Integrated circuits, Microprocessors, Metal oxide semiconductors, Transistors 09
Integrated circuits, Structural analysis, Logic, Topology, Processors 04
Josephson junctions, Controllers, Optics, Structural analysis, Technology 05
Large scale integration, Integrated circuits, Modeling, Simulation 04
Logic circuits, Decoders, Damping, Josephson junctions, Fabrication 04
Magnetic bubbles, Data collection, Systems design, Portability 00
Magnetic storage, Architecture, Software development, Multiplexing, Thin films 04
Metal oxide semiconductors, Electronic storage, State of the art 02
Metal oxide semiconductors, Field effect transistors, Logic circuits, Arrays 07
Multiprocessors, Architecture, Filters, Structural analysis, Dissertation 04
Optical storage, Data bases, Channels 01
Optical storage, Disks, Recording systems 01
Optical storage, Photochemical holes, Lasers, Spectroscopy, Recording systems 00
Optical storage, Recording systems, Bubble memory 01
Personal computers, Magnetic storage, Diskettes 02
Plug compatibility, Local area networks, Controllers, Terminals 02
Polysilicon, Gates, Leakage current, Current voltage 06
Processors, Buffers, Optoelectronics, Storage, Algorithms 00
Production control, Distribution, Tolerances, Reliability, Floppy disks 01
Receivers, Televisions, Signal processing, Control systems 02
Research and development, Optical storage, Lasers 05
Satellite communications, Microprocessors, Programming languages, Testing 01
Signal processing, Identification, Sensors, Feature extraction, Pipelines 06
Silicon, Correlators, Surface acoustic waves, Signal processing, Dissertation 00
Speech synthesis, Algorithms, Microprocessors, Systems design 06
Structural analysis, Channels, Coupling, Logic circuits, Reliability 02
Superconductivity, Josephson junctions, Interferometers, Microelectronics 04
Superconductivity, Writing, Interferometers, Josephson junctions 04
Systems design, Optical storage, Magnetic storage, Density 00
Televisions, Filters, Signal processing, Interference, Circuitry 02
Televisions, Integrated circuits, Voltage, Pulse code modulation, Receivers 02
Televisions, Receivers, Metal oxide semiconductors, Research and development 02
Televisions, Signal processing, Delay, Coding, Descrambling 06
Thin films, Shift registers, Density, Chemical variables control 02
Tracking, Focusing, Disks, Optical storage 01
Voltage, Thermal variables measurement, Pulse generation, Area measurement 06
Mercury,
Deposition, Electrodes, Potentials, Electrochemical reactions 08
Electrodes, Impedance, Frequency, Capacitance 03
Lasers, Design, Electron beams, Glow discharge 07
Porosity, Structural analysis, Coatings, Magnetic tapes 05
Mercury bromide,
Lasers, Spectral analysis, Discharges, Diffusion 07
Mercury cadmium telluride,
Coatings, Photoconductivity, Detectors, Performance 055
Metal oxide semiconductors, Recombination, Band structure, Capacitance voltage 058
Photodiodes, Tunneling, Dark conduction 072
Mercury manganese selenide,
Semiconductors, Electron paramagnetic resonance, Microwaves, Dissertation 026
MESFET,
Amplifiers, Gallium arsenide, Passivation, Silicon nitride, Silicon monoxide 076
Gallium arsenide, Fabrication, Voltage, Scattering 076
Gallium arsenide, Transistors, Noise, Diffusion 076
Transistors, Fabrication, Gallium arsenide, Transconductance 076
Transistors, Indium phosphide, Transconductance 075
Transistors, Ion implantation, Gallium arsenide, Frequency, Performance 075
Metal halides,
Optical systems, Acoustics, Resonance, Frequency 042
Metal insulator metals,
Negative resistance, Electrodes, Pressure, Electroforming, Vacuum technology 034
Metal insulator semiconductors,
Bipolar transistors, Gain, Emitters, Heterojunctions 011
Capacitance voltage, Conductance, Sputtering, Carbon, Silicon 091
Capacitance voltage, Frequency, Density, Interface states, Al-Si$_3$N$_4$-GaAs 044
Capacitors, Aluminum gallium arsenide, Current voltage, Capacitance voltage 088
Capacitors, Borazone, Diamond, Dielectric constants, Voltage 043
Capacitors, Thin films, Capacitance voltage, Al/Al$_2$O$_3$/Te 055
Charge carriers, Solar cells, Schottky diodes, Diffusion 007
Charge carriers, Tunnel junctions, Gain, Transistors 011
Conductivity, Time measurement, Carrier mobility, Signal processing 027
Degradation, Evaporation, Electroluminescence, CdF$_2$:Mn, Y 056
Dissertation, Tunnel junctions, Injection, Charge carriers, Dissertation 075
Fabrication, Conductance, Admittance 011
Field effect transistors, Charge mobility, Logic circuits, Anodes 012
Field effect transistors, Indium phosphide, Logic circuits 012
Field effect transistors, Insulators, Aluminum gallium arsenide, Dissertation 012
Field effect transistors, Logic circuits, Anodes, Indium phosphide 012
Field effect transistors, Logic circuits, Deformation, Sensors 044
Field effect transistors, Logic circuits, Pulse generation, Channels 012
Field effect transistors, Radiation, Gain 092
Field effect transistors, Trapping, Indium phosphide 012
Gallium arsenide, Schottky barriers, Charge density, Annealing 027
Gallium arsenide, Solar cells, Current voltage, Open circuit voltage 072
Gallium indium arsenide, Metal oxide semiconductors, Interfaces, Insulators 011
Insulators, Interfaces, Fabrication, Integrated circuits 027

al Insulator semiconductors, (continued)
gic circuits, Electrodeposition, Fabrication 01150
gic circuits, Field effect transistors, Fabrication 01218
gic circuits, Integrated circuits, Charge coupled devices, Charge transfer 01267
icrowaves, Crystal growth, Fabrication, Integrated circuits, Gallium arsenide 02719
chottky diodes, Fabrication, Barrier heights, Interfaces 04389
ilicon nitride, Fabrication, Integrated circuits 02863
ilicon nitride, Film growth, Tunneling, Switching, Integrated circuits 04387
ilicon nitride, Sputtering, Film growth, Dissertation 07602
ilicon, Photodetectors, Tunnel junctions, Integrated optics, Dissertation 05667
olar cells, Carrier mobility, Transistors 02509
olar cells, Current density, Voltage, Illumination 02506
olar cells, Fermi levels, Charge carriers, Interfaces 02523
olar cells, Interfaces, Fabrication, Dissertation 00781
pace charge, Temperature, Thickness measurement, Al-Tb_2GeS_5-Ge 01124
heoretical analysis, Current, Charge carriers, Multipliers 04376
ransistors, Gates, Capacitance, Charge, Voltage 07597
unneling, Transistors, Fabrication, Capacitance voltage, Dissertation 01173
al nitride oxide semiconductors,
emiconductors, Thermal variables measurement, Voltage 01203
al oxide semiconductors,
lgorithms, Simulation, Logic, Delay, Communication networks 05924
luminum, Random access memory, Power supply, Batteries 04478
mplifiers, Frequency, CMOS 03846
mplifiers, Modeling, Current voltage, Thermal variables control 02430
mplifiers, Voltage, Impedance, Gain, CMOS 03847
nalog to digital converters, Integrated circuits, Capacitors, Error, Arrays 09280
nnealing, Fabrication, Integrated circuits, Transistors, Resistors 02751
nnealing, Temperature, Ions, Concentration 04441
pproximations, Delay, Integrated circuits, Modeling, Field effect transistors 05941
pproximations, Voltage, Channels, Field effect transistors, Numerical analysis 07586
rrays, Architecture, Circuitry, Gallium arsenide, Design 09285
rrays, Technology, Simulation, Fabrication, Logic circuits 04414
utomatic testing, Modeling, Transistors 05947
utomation, Transistors, Testing 04500
oron, Doping, Voltage, Numerical analysis, MOSFET 05962
Capacitance, Computer aided control, Silicon, Buses, Service life 00732
Capacitance, Frequency, Resistance, Voltage, Distributed systems 03822
Capacitance, Voltage, Computer programs, Simulation, Algorithms 01220
Capacitance voltage, Dielectricity, Ion implantation, Silicon, Oxides 05960
Capacitors, Charge carriers, Tunneling, Space charge 02481
Capacitors, Conductance, Capacitance voltage, Thermal variables measurement 01196
Capacitors, Filtering, Communication networks, Noise, Dissertation 05467
Capacitors, Irradiation, Electron beams, Surface properties 00727
Capacitors, Noise, Modulation, Carrier mobility, Oscillation 03895
Capacitors, Recombination, Lifetimes, Temperature 05573
Capacitors, Service life, Materials planning and control, Silicon 02478
Capacitors, Service life, Voltage 00729
Capacitors, Stress, Conductance, Oxidation 00730
Capacitors, Voltage, Gamma radiation, Trapping 05579
Carrier mobility, Capacitance, Transconductance, Field effect transistors 01234
Channels, Field effect transistors, Integrated circuits, Fabrication 09221
Channels, Performance, Electrical resistivity, Boron, Doping, CMOS 05977
Channels, Signal processing, Field effect transistors, Capacitance 02753
Charge carriers, Logic circuits, Interfaces, Current, Surface properties 02752
Charge carriers, Surface properties, Current voltage 01122
Circuitry, Current voltage, Approximations, Simulation, Scaling 06003
Circuitry, Frequency, Generators, Voltage, Filters 07146
Circuitry, Processors, Transistors, Random access memory, Fabrication 09267
Circuitry, Sensors, Research and development, Channels 07507
CMOS, Bipolar transistors, Design, Optimization, Latching 09241
CMOS, Circuitry, Current voltage, Modeling 09212
CMOS, Circuitry, Design, Transistors, Masks 07571
CMOS, DMOS, Integrated circuits, Performance 09246
CMOS, Field effect transistors, Polysilicon, Doping, Integrated circuits 07596
CMOS, Tantalum silicide, Transistors, Work function, Channels 07649
CMOS, Transistors, Design, Voltage 09245
CMOS, Very large scale integration, Packaged components, Channels, Performance 09274
Computer aided design, Field effect transistors, Geometry, Channels 01183
Computer aided design, Filters, Simulation, Topology, Integrated circuits 08739
Computer programs, Modeling, Integrated circuits 07585
Counters, Shift registers, Microelectronics 07633
Crystal growth, Lasers, Field effect transistors, Logic circuits 02764
Current voltage, Capacitors, Insulators 00733
Current voltage, Transistors, Channels, Doping 02740
Digital systems, Oscillators, Integrated circuits, Capacitors, Switches 07203
Diodes, Logic circuits, Current, Channels 01157
Diodes, Vapor phase epitaxy, Capacitance, Spectroscopy, Indium phosphide 01134
Displays, Field effect transistors, Channels, Integrated circuits 08895
Doping, Channels, Voltage, Field effect transistors 02755
Dosimetry, Annealing, Structural analysis, Damage 01154
Electronic storage, State of the art 02702
Epitaxial growth, Channels, Doping, Logic circuits, Oscillators 01233
Equalizers, Transfer functions, Amplifiers, CMOS 04653
Fabrication, Computer aided design 05942
Fabrication, Field effect transistors, J-MOS 07612
Fabrication, Technology, CMOS SLIC 06037
Field effect transistors, Bias, Wideband drivers 07581
Field effect transistors, Bipolar transistors, Capacitance, Noise 02634
Field effect transistors, Bipolar transistors, Voltage, Protection 04419
Field effect transistors, Carrier mobility, Noise 01191
Field effect transistors, Channels, Carrier mobility, Electrons 02738
Field effect transistors, Channels, Drain, Current voltage 04444
Field effect transistors, Channels, Integrated circuits, Testing 01272
Field effect transistors, Channels, Modeling 01197
Field effect transistors, Channels, Modeling, Structural analysis 01224

Metal oxide semiconductors, (continued)
Field effect transistors, Channels, Noise 01209
Field effect transistors, Charge carriers, Diffusion, Voltage 01213
Field effect transistors, Charge carriers, Photoconductivity, Visible range 02754
Field effect transistors, Charge, Doping, Channels 02739
Field effect transistors, Circuitry, Amplifiers, Quality control 02436
Field effect transistors, Circuitry, Interpolation, Simulation, Modeling 01225
Field effect transistors, Conductance, Insulators, Modeling 01189
Field effect transistors, Degradation, Electric fields, Oxidation 01194
Field effect transistors, Drains, Simulation, Integrated circuits 01261
Field effect transistors, Electric fields, Distributions, Voltage, Simulation 01222
Field effect transistors, Electrical resistance, Current voltage 01927
Field effect transistors, Fabrication 05987
Field effect transistors, Fabrication, Doping, Channels 04442
Field effect transistors, Gallium arsenide, Ion implantation, Silicon 04436
Field effect transistors, Geometry, Modeling, Charge coupled devices 01264
Field effect transistors, Insulators, Logic circuits, Inversions 02773
Field effect transistors, Integrated circuits, Physics, Modeling, Dissertation 02833
Field effect transistors, Ion implantation, Pn junctions, Arsenic 02747
Field effect transistors, Logic circuits, Amplifiers, Sensors 01211
Field effect transistors, Logic circuits, Channels, Current 01195
Field effect transistors, Logic circuits, Fabrication, Silicon, Density 05940
Field effect transistors, Logic circuits, Voltage, Channels 01215
Field effect transistors, Memory, Logic circuits, Arrays 07587
Field effect transistors, Modeling 04390
Field effect transistors, Modeling, Current voltage 05944
Field effect transistors, Modeling, Electrons, Laplace transforms 04416
Field effect transistors, Motors, Computer aided control, Switching 01686
Field effect transistors, Oscillators, Stability, Dielectrics, Resonators 02441
Field effect transistors, Photodetectors, Silicon, Electrooptics, Dissertation 02762
Field effect transistors, Power systems, Gain, Voltage, Dissertation 01208
Field effect transistors, Punchthrough current, Modeling 02760
Field effect transistors, Schottky diodes, Charge carriers, Interfaces 04406
Field effect transistors, Signal processing, Oscillators 01216
Field effect transistors, Simulation, HP-SPICE 05945
Field effect transistors, Surface properties, Scattering, Carrier mobility 02743
Field effect transistors, Thermodynamics, Channels, Electric variables control 09210
Field effect transistors, Thermodynamics, Testing 09207
Field effect transistors, Voltage, Bias, Simulation 09217
Field effect transistors, Voltage, Carrier mobility, Channels 02741
Filtering, Topology, Circuitry, Amplifiers, Capacitors 05570
Filters, Channels, Computer aided design 08744
Filters, Oscillators, Input, Programming, Control systems 05528
Filters, Switching, Capacitance, Communication networks 02354
Gallium arsenide, Communications, Integrated circuits 05908
Gases, Sensors, Electrical conductivity, Thermal variables measurement 08419
Hall effect, Field effect transistors, Conductivity, Measurement errors 02737
Illumination, Capacitance, Energy bands, Excitation 01153
Indium antimonide, Auger electron spectroscopy, Films, Interfaces 05918
Indium antimonide, Capacitance voltage, Interfaces 05950
Input output, Channels, Finite element method, Delay, Signal transmission 07583
Insulators, Crystal growth, Carrier mobility, Dissertation 02473
Integrated circuits, Ageing, Reliability 01257
Integrated circuits, Channels, Electrical resistivity, Carrier mobility 04410
Integrated circuits, Coding, Speech recognition 04505
Integrated circuits, Current voltage, Design, Performance, Noise 07636
Integrated circuits, Design, Converters 07218
Integrated circuits, Design, Fabrication, Error, Simulation 07638
Integrated circuits, Electron guns, Fabrication 01278
Integrated circuits, Epitaxial growth, Transistors 04437
Integrated circuits, Fabrication, Bipolar devices 04490
Integrated circuits, Fabrication, Boron, Interfaces 02848
Integrated circuits, Field effect transistors, Partial differential equations 04417
Integrated circuits, Functions, Approximations, Data collection, Radiation 04415
Integrated circuits, Interfaces, Diffusion 01253
Integrated circuits, Matrices, Computer programs, Simulation, Cell design 01256
Integrated circuits, Memory, Microprocessors, Transistors, Technology 09266
Integrated circuits, Metal silicides, Refractories, Thin films, Logic circuits 02829
Integrated circuits, Modeling, CMOS latch-up 05943
Integrated circuits, NMOS, CMOS, Dissertation 05963
Integrated circuits, Random access memory, Fabrication, Polysilicon 04481
Integrated circuits, Refractories, Etching, Ion implantation, Oxidation 01246
Integrated circuits, Signal processing, Delay, Communication networks 06028
Integrated circuits, Silicon, Product development 02820
Integrated circuits, Simulation 05928
Integrated circuits, Switching, Capacitors, Filters 00728
Integrated circuits, Transistors, Energy loss, Leak detection 01193
Interfaces, Charge carriers, Conductance 01152
Interfaces, Contacts, Electrical resistivity, Modeling, Integrated circuits 02857
Interfaces, Integrated circuits, Lasers, Fabrication 02822
Interfaces, Signal converters, Integrated circuits 01265
Irradiation, Silicon, Field effect transistors, Power systems, Conductors 02749
JMOS, Transistors, Performance, Fabrication, Dielectrics 09250
Junctions, Dielectric permittivity, Thickness measurement, Boundary layers 02689
Large scale integration, Redundancy, Inspection, Fault tolerance, Silicon 09265
Lasers, Microscopy, Integrated circuits, Inspection, Scanning 06061
Lithography, Fabrication, Microelectronics 06083
Logic circuits, Arrays, Decomposition, Input output, Dissertation 04457
Logic circuits, Arrays, Input output, Field effect transistors, Buffers 07639
Logic circuits, Channels, Structural analysis, Design 09219
Logic circuits, Current, Bias, Irradiation, Oscillators 03864
Logic circuits, Current, Field effect transistors, Channels 02742
Logic circuits, Fault detection, Communication networks, Dissertation 02856
Logic circuits, Field effect transistors, Carrier mobility 02772
Logic circuits, Matrices, Integrated circuits, Design 06023
Logic circuits, Storage 04403

Metal oxide semiconductors, (continued)
- Logic circuits, Structural analysis, Specifications, Computer aided design 09262
- Magnetic bubbles, Memory, Data collection, Systems design, Portability 00511
- Magnetic fields, Oscillation, Frequency, Field effect transistors 02736
- Mathematical models, Logic circuits, Complementary transistors 02765
- Mercury cadmium telluride, Recombination, Band structure, Capacitance voltage 05897
- Metal insulator semiconductors, Gallium indium arsenide, Insulators, Interfaces 01133
- Microelectronics, Electron gases, Interfaces, Transport properties, Hall effect 02821
- Microelectronics, Service life, Reliability, CMOS 04423
- Microprocessors, Design, Radiation, Tolerance, Logic circuits 04491
- MNOS, Transistors, Polarization, Kinematics, Temperature, Electric fields 05931
- MNOS, Transistors, Silicon nitride, Contacts, Injection, Degradation 05932
- Modeling, Current, Conductance 09216
- Modeling, Logic circuits, Reliability, Fault tolerance 09205
- Monte Carlo method, Modeling, Silicon, Electrons, Structural analysis 05955
- Monte Carlo method, Silicon, Field effect transistors, Bipolar devices 02766
- MOSFET, Power transistors, Current voltage 07594
- MTOS, Junctions, Signal processing, Amplification, Transistors, Dissertation 05975
- NMOS, Silicon, Lasers, Crystallization, Fabrication 07604
- Noise, Voltage, Dielectrics, Tunneling 07611
- Oxidation, Fabrication, Integrated circuits, Masks, Silicon nitride 02862
- Packaged components, Integrated circuits, Optimization 02805
- Packaged components, Passivation, Reliability, Transistors, Phase shifts 01235
- Parallel processing, Integrated circuits, Silicon, Channels, Arithmetic 08790
- Photosensors, Silicon, Charge coupled devices, Dissertation 01148
- Pn junctions, Chemical vapor deposition, Field effect transistors, Photodiodes 02704
- Pn junctions, Contacts, Electrical resistivity, Sintering, Silicon 02825
- Pn junctions, Current voltage, Space charge, Recombination, Lifetimes 09236
- Power transistors, Switches 07615
- Precision engineering, Computer aided design, Modeling 05946
- Process control, Modeling, Bipolar devices, Computer aided design 04511
- Process development, Fault tolerance, Lithographic masks 00814
- Random access memory, Circuitry, Amplifiers, Design 02438
- Random access memory, Decoders, Design, Redundancy 05505
- Random access memory, Fabrication, Parameter estimation 04483
- Random access memory, Fabrication, Technology 05948
- Random access memory, Integrated circuits, Bipolar devices 02759
- Random access memory, Molybdenum silicide, Lasers, Redundancy 04504
- Random access memory, Read only memory, Programming, Arrays, Logic circuits 04453
- Random access memory, Silicon, Channels, Signal processing, Amplifiers 04404
- Random access memory, Transistors, Channels, Radiation 04476
- Read only memory, Arrays, Redundancy, Programming, Coding 04477
- Read only memory, Programming, Bipolar devices, Voltage, Polysilicon 04412
- Read only memory, Programming, Signal processing, Reliability, Design 04413
- Read only memory, Voltage, Programming, Circuitry, Arrays 04510
- Sensors, Pressure, Amplifiers, Capacitance, Signal processing, Dissertation 02671
- Sensors, Transistors, Charge, Chemical variables measurement 09215
- Signal processing, Fault tolerance, Current, Gain, CMOS, Crosstalk 08905
- Silicides, Integrated circuits, Schottky barriers, Junctions, Book 07669
- Silicon, Charge, Surface properties, Insulators 02472
- Silicon dioxide, Traps, Boron, Ion implantation, Thermal variables measurement 05959
- Silicon, Epitaxial growth, Reactive ion etching, Bipolar transistors 02750
- Silicon, Fabrication, Logic circuits, Temperature 02756
- Silicon, Insulators, Logic circuits, Voltage 01232
- Silicon, Junctions, Annealing, Programming languages, Modeling 09206
- Silicon, Lasers, Crystallization, Fabrication, Transistors 09224
- Silicon on sapphire, Circuitry, Computer aided design, Fabrication 09240
- Silicon on sapphire, Logic circuits, Inverters, Counters, Oscillators 04409
- Simulation, Density, Distributions, Interfaces, Statistical analysis 02763
- Simulation, Geometry, Integrated circuits, Computer programs 02768
- Simulation, Optimization, Bipolar devices, Computer programs 02817
- Solar cells, Thermal variables measurement, Band gaps, Effective mass 05651
- Storage, Random access memory, Fabrication 09213
- Strain, Integrated circuits, Sensors, Coding, Microprocessors 02629
- Surface barrier transistors, Field effect transistors 02732
- Surface properties, Computer aided design, Transistors, Modeling 07591
- Surface properties, Electrons, Liquefied gases, Helium 01151
- Switches, Integrated circuits, Voltage, Control systems 08795
- Switching, Capacitors, Integrated circuits, Modulators 09599
- Televisions, Receivers, Memory, Research and development, Specifications 02957
- Time measurement, Delay, Logic circuits, Modeling 05995
- Transconductance, Amplifiers 08800
- Transistors, Capacitance 09247
- Transistors, Capacitance, Modeling 01188
- Transistors, Circuitry, Design, Signal processing, Noise 05927
- Transistors, Circuitry, Thermal variables measurement, Current 05980
- Transistors, Current voltage, Temperature, Electrical resistance 04440
- Transistors, Design, Logic circuits 05953
- Transistors, Design, Simulation, Dissertation 02744
- Transistors, Doping, Capacitance, Current 01237
- Transistors, Fabrication, Logic circuits, Ion implantation, Dissertation 02761
- Transistors, Interfaces, Charge carriers, Transport properties 04443
- Transistors, Logic circuits, Channels, Voltage 02734
- Transistors, Memory, Charge carriers, Reliability 01223
- Transistors, Microelectronics, Resistance, Breakdown 04429
- Transistors, Mirrors, Deformation, Modeling, Optical communications 07326
- Transistors, Modeling, Circuitry, Inverters, Data bases 01184
- Transistors, Signal processing, Electrostatics 04411
- Transistors, Structural analysis, Signal converters, Switching 01239
- Transistors, Transconductance, Field effect transistors, Stress 01236
- Transistors, Varactors, Capacitance voltage, Pn junctions 02748
- Transistors, Voltage, Control systems, Current density 09211
- Tungsten silicide, Integrated circuits, Interfaces 02861
- Tuning, Controllers, Phase locked loops, Circuitry, Microcomputers 03198
- VDMOS, Breakdown, Voltage, Design, Fabrication 09242
- Voltage, Logic circuits 01190

Metal oxide semiconductors, (continued)
- Waste heat, Electrical resistivity, Charge carriers, Delay 043
- Zinc selenide, Single crystals, Current voltage, Hysteresis 044

Metal oxides,
- Pollutant detection, Thermal variables control, Electric power generation 033

Metal silicides,
- Refractories, Thin films, Integrated circuits, Metal oxide semiconductors 026

Metallization,
- Silicides, Solar cells, Annealing, Current voltage 007

Metallurgical industry,
- Sheet metalworking, Computer aided manufacturing, Robots, Economics 085

Metallurgy,
- Electrical discharge machining, Process development, Lasers 010

Metals,
- Alloys, Polarization, Electrodes, Potentials, Defects 051
- Capacitors, Magnetic fields, Current, Oscillation 055
- Contacts, Gallium arsenide, Stress, Schottky diodes, Voltage 027
- Contacts, Organic compounds, Film growth, Printed circuit boards, Testing 055
- Contacts, Polyacetylene, Current voltage, Capacitance voltage 051
- Contacts, Silicides, Schottky diodes, Emissions, Tunneling 059
- Corrosion resistance, Seawater, Additives, Surface protection, Coatings 033
- Crack propagation, Electric variables control, Magnetic variables control 034
- Doping, Epoxy resins, Frequency, Dielectricity, Permittivity 075
- Eddy current, Conductivity, Melting 003
- Electromagnetics, Acoustics, Nondestructive testing, Transducers 091
- Electromagnetics, Nondestructive testing, Reliability, Transducers 067
- Electron beams, Lithography, Microelectronics 008
- Filters, Thickness measurement, Computer aided design, Performance 037
- Finite element method, Magnetic fields, Circuitry, Plates, Numerical analysis 068
- Flow, Electric variables measurement, Boundary layers 051
- Gases, Electric variables control, Oxidation, Conductivity, Sensors 075
- Interfaces, Semiconductors, Surface properties, Photodecomposition 068
- Internal stress, Stress measurement, Nondestructive testing, Acoustoelasticity 003
- Lasers, Industry, Technology, Surface properties, Heat treatment 040
- Lasers, Plasmas, Surface properties, Absorption, Optics 057
- Lasers, Process control, Thermodynamics, Materials testing, Eddy currents 050
- Magnetic tapes, Manufacturing, Particles, Surface properties 058
- Materials testing, Corrosion resistance, Electrodes, Heating systems 039
- Motors, Rotors, Conductors, Numerical analysis, Testing 072
- Nondestructive testing, Transducers, Flaw detection 026
- Numerical analysis, Eddy current, Density, Conductors, Matrices 067
- Optical storage, Magnetic variables control, Thermal variables control 089
- Plasmas, Ions, Magnetic fields, Beam propagation 067
- Point contacts, Electrons, Phonons 068
- Polarization, Electromagnetic fields, Elasticity, Resonance 075
- Precious metals, Contacts, Surface properties, Conductivity, Heat treatment 024
- Protection, Tellurium, Coatings, Polymer, Recording systems 015
- Pulse generation, Current density, Electrical discharge machining 002
- Refractories, Electrochemical machining, Cutting, Sawing 018
- Reliability, Circuitry, Failure, Stress, Current 052
- Rolling mills, Control systems, Automation, Thickness measurement 020
- Semiconductors, Diodes, Contacts, Current voltage, Barrier heights 075
- Semiconductors, Schottky barriers, Junctions, Fabrication, Book 075
- Semiconductors, Schottky diodes, Hydrogen, Silicon, Adsorption 075
- Sensors, Optics, Films, Gases, Surface plasmon resonance 035
- Spectral analysis, Noise, Internal friction 035
- Thermodynamics, Radiation, Heat transfer, Convection, Metrology 090
- Turbogenerators, Manufacturing, Superconductors, Research and development 074
- Ultrasonics, Wave propagation, Surface properties, Dissertation 000
- X-rays, Electrodes, Design, Rotation, Rotalix 067

Meteorology,
- Acoustics, Boundary layers, Signal transmission, Flow, Wind 053
- Acoustics, Waves, Frequency, Wind, Signal processing 068
- Aerosols, Satellite communications, Image processing, Boundary layers, Sensors 070
- Aircraft, Data collection, Computer aided analysis, Monitoring 005
- Aircraft, Transportation noise, Atmospheric conditions, Absorption 052
- Algorithms, Electric power generation, Loading, Microprocessors, Modeling 018
- Atmospheric conditions, Boundary layers, Wind, Monitoring 037
- Atmospheric conditions, Wind energy, Velocity, Lasers, Anemometry 009
- Boundary layers, Magnetic fields, Fluid mechanics, Statistical analysis 022
- Boundary layers, Remote sensing, Statistical analysis, Monitoring 053
- Calibration, Thermal variables measurement, Satellites, Remote sensing 037
- Data collection, Microprocessors, Reliability 053
- Data collection, Natural disasters, Remote sensing, METEOSAT 086
- Data collection, Oceanography, Microwaves, Radiometry 022
- Electric variables measurement, Microprocessors 053
- Electromagnetic fields, Attenuation, Atmospheric conditions 016
- Floods, Remote sensing, Rain, Radar 037
- Hydrology, Diffusion, Waves, Radar 037
- Ice, Backscattering, Polarization, Reflectivity, Radar 016
- Image processing, Satellite communications, Remote sensing, Scattering 070
- Instrumentation, Sensors, Software packages, Data collection, Microcomputers 053
- Japan, Satellite communications, Manufacturing, Data collection 053
- Landsat, Remote sensing, Atmosphere, Environmental monitoring 005
- Light scattering, Volcanoes, Remote sensing, Lidar, Aerosols 037
- Lightning, Risk assessment, Buildings, Protection 037
- Magnetic fields, Boundary layers, Monitoring measurements, Electric fields 022
- Management information systems, Computer graphics, Statistical analysis 086
- Measurement, Distribution, Modeling, Statistical analysis, Attenuation 048
- Microwaves, Atmospheric conditions, Thermal variables control, Remote sensing 021
- Modeling, Magnetic variables measurement, Thermodynamics, Parameter estimation 053
- Noise, Modeling, Wind, Acoustics, Measurement 068
- Oceanography, Atmospheric conditions, Data collection 005
- Offshore structures, Drilling, Ships, Computer aided control, Displays 005
- Offshore structures, Satellites 086
- Optics, Radiation, Astronomy, Refraction, Modeling 087

orology, (continued)
tection, Lightning, Aircraft ... 02279
dar, Data collection, Computer graphics, MDR ... 09506
dar, Rain, Remote sensing ... 03716
dar, Remote sensing, Hail ... 03723
dar, Signal processing, Marine engineering, Displays, Testing ... 07869
diation, Solar energy, Calibration, Pyranometers ... 00580
diation, Solar energy, Image processing, Satellites, Remote sensing ... 00573
dio waves, Wave propagation, Troposphere, Water vapor, Atmospheric conditions ... 08011
in, Automation, Radar, Remote sensing ... 03722
in, Radar, Remote sensing, Calibration ... 03724
in, Remote sensing, Geography, Image processing ... 03717
in, Remote sensing, Radar ... 03720
mote sensing, Atmospheric conditions, Microwaves, Gamma radiation ... 00578
mote sensing, Automation, Systems analysis ... 08692
mote sensing, Image processing, Ocean-atmosphere system ... 08675
mote sensing, Image processing, Satellites, Brazil ... 08693
mote sensing, Instrumentation, Wind, Estimation, Satellite communications ... 07060
emote sensing, Microwave devices, Image processing ... 04828
mote sensing, Microwave devices, Radiometers ... 08695
mote sensing, Radar, Mapping, Hydrology, Snow cover ... 07022
emote sensing, Satellite communications, Microwave devices, Oceanography ... 00536
emote sensing, Sea state, Storms, SEASAT ... 08677
emote sensing, Telecommunications, Photography, Radar ... 03718
esource management, Remote sensing, Image processing, Satellite communications ... 02199
atellite communications, Data collection, Numerical analysis, Agriculture ... 02242
atellite communications, Remote sensing, Data transmission, Data collection ... 03727
atellites, Image processing ... 08694
atellites, Infrared, Image processing, Telemetry, Digitizing, Calibration ... 03710
atellites, Military engineering, Image processing ... 00572
atellites, Telecommunications, Data collection, Economics ... 07059
cattering, Satellites, Signal transmission, Attenuation ... 01637
gnal processing, Interference, Error correcting codes, Algorithms ... 04704
now, Measurement, Optics, Research and development ... 03726
olar energy, Radiation, Diffusion ... 00579
echnological forecasting, Remote sensing, Satellites, Data collection ... 00564
elecommunications, Satellites, Atmospheric conditions, Spectroscopy ... 02280
hermal variables measurement, Oceanography, Remote sensing, Radiometers, Error ... 03438
hermal variables measurement, Thermistors ... 06712
elocity, Error, Radar, Doppler shift, Signal to noise ratio ... 04712
ater supply, Optimization, Simulation, Hydroelectric power generation ... 03380
ave propagation, Oceanography, Project engineering, Modeling, Remote sensing ... 02270
ind, Modeling, Velocity, Turbulence, Electric power generation ... 05379
tering,
iomedical engineering, Cardiovascular system ... 02151
lectric fields, Power, Frequency, Calibration ... 06809
lectric fields, Statistical analysis, Plant germination ... 08448
nstrumentation, Electric power transmission, Watt/varmeters ... 00292
nstrumentation, Power, Far infrared, Pyroelectricity, Detectors ... 06737
Multimeters, Microprocessors, Cost benefit analysis, Calculators, Monitoring ... 01920
Parameter estimation, Identification, Power plants, Data transmission ... 05018
Power systems, Current, Standards ... 01764
Power systems, Microwaves, Sensors, Product design ... 01644
Testing, Instrumentation, Microelectronics ... 03410
Transcoders, Integrated circuits, Design, Channels ... 08782
Wattmeters, Transducers, Stability, Calorimetry ... 09160
X-ray diffraction, Voltage, Pulse generation, Photodiodes, Detectors ... 08862
thyl fluoride,
Gas lasers, Design, Pumping, Far infrared, Resonance ... 07398
Gas lasers, Pumping, Frequency, Measurement ... 07406
trology,
Calibration, Electron beam metrology ... 01878
Cesium, Frequency, Standards ... 08428
Design, Circuitry, Frequency, Quality control ... 08426
Electric power transmission, Measurements, Signal processing ... 09091
Electric variables measurement, Power plants ... 08275
Frequency, Pressure, Transducers, Depth measurement ... 09138
Gauges, Inspection, Numerical control, Nondestructive testing ... 02035
Gauges, Reliability, Calibration, Precision engineering ... 08499
Length measurement, Photolithography, Optimization ... 02539
Optical devices, Microelectronics, Microcomputers, Computer aided manufacturing ... 02329
Optics, Scanning, Mirrors ... 00245
Oscillators, Eddy current, Inspection, Circuitry ... 08819
Precision engineering, Transducers, Nondestructive testing ... 09154
Radiators, Standards, Specifications ... 08864
Radio frequency, Millimeter waves, Signal processing ... 03476
Radios, Optics, Interferometry, Rotation, Time measurement ... 09320
Reliability, Precision engineering, Electric variables measurement ... 08844
Reliability, Quality control, Measurement errors ... 00244
Resistors, Design, Performance, Fabrication ... 08851
Thermodynamics, Radiation, Metals, Heat transfer, Convection ... 09067
Transducers, Gauges, Electrodes ... 09151
Vibration, Electric variables measurement, Remote sensing, Antennae ... 08659
Voltage, Quartz, Signal to noise ratio, Detectors ... 00291
xico,
Architecture, Communication networks, Integrated systems, Modules, Multiplexing ... 00148
Electric power generation, Nuclear power plants, Costs ... 01811
crocomputers,
Aerial photography, Remote sensing, Agriculture, Classification, Mapping ... 02235
Aerospace engineering, Software development, Guidance and control systems ... 06280
Aircraft, Technology, Electronic equipment, Interference, Frequency ... 07090
Algorithms, Statistical analysis, Microwaves, Attenuation ... 08039
Architecture, Microelectronics, Electric power transmission, Time measurement ... 07091
Artificial intelligence, Robots, Software development ... 03592
Atmospheric conditions, Electric variables measurement, Computer aided analysis ... 03490
Automatic control, Programmable controllers ... 02014

Microcomputers, (continued)
Automatic control, Thyristors ... 06529
Automation, Frequency, Measurement, Damping, Oscillation ... 01919
Automotive engineering, Research and development, Product development ... 02336
Banking, Electronic funds transfer, IBM PC, Wells Fargo ... 04623
Banking, Personal computers, Videotex, Standards, Home banking ... 09449
Cameras, Optics, Computer aided control, Automation, Photography ... 02577
Cathode ray tubes, Sensors, Probes, Reliability, Light pens ... 03955
Circuitry, Output devices, Input devices, Optics, Interfaces ... 00597
Circuitry, Servomechanisms, Computer aided design, Feedback, Reliability ... 05389
Combustion, Monitoring, Boilers, Power plants, Systems design ... 05005
Communication networks, Algorithms, Control systems, Topology, Routing ... 02985
Communication networks, Data processing, Marine engineering, Navigation ... 03090
Computer aided analysis, Fiber optics, Dispersion ... 07698
Computer aided analysis, Thermal variables measurement, Urban planning ... 03711
Computer aided analysis, Ultrasonics, Nondestructive testing ... 03517
Computer aided analysis, Voltage, Electric variables measurement, Transducers ... 00700
Computer aided control, Lasers, Amplitude, Modulation ... 07427
Computer aided control, Lasers, Stability, Frequency control ... 07341
Computer aided control, Rotating bodies, Automotive engineering, Diesel engines ... 02334
Computer aided control, Simulation, Internal combustion engines ... 02335
Computer aided control, Transformers, Relays, Protection ... 04351
Control systems, Converters, Optimization, Noise, Testing ... 03878
Control systems, Electric vehicles, Propulsion ... 07101
Control systems, Hydroelectric power generation, Water supply, Loading ... 03381
Control systems, Spectrometers, Thermodynamics, Decomposition ... 05077
Data transmission, Recording systems, Magnetic tapes, Storage, Tape drives ... 07086
Education, Computer aided instruction, Parallel processing ... 02282
Electric power generation, Interactive systems, Loading, Modeling ... 03317
Electric power generation, Relays, Transmission lines, Protection, Dissertation ... 01844
Electric vehicles, Computer aided control, Thermal variables control ... 02340
Electronic equipment, Local area networks, Interfaces, Fiber optics ... 02313
Feedback, Signal processing ... 00590
Fiber optics, Probes, Data collection, Flow of liquids, Nuclear reactors ... 03547
Fourier transforms, Radiation, Interferometers, Spectral analysis ... 03421
Guidance and control systems, Automotive engineering, Fluorescence, Switches ... 02339
Guidance and control systems, Automotive engineering, Liquid crystals, Displays ... 02346
Guidance and control systems, Velocity, Automotive engineering ... 02333
Ignition, Computer aided control, Internal combustion engines, Valves ... 02337
Image processing, Computer aided control, Robots, Vision ... 03614
Information retrieval, Routing, Office automation, Data transmission ... 01401
Input, Coding, Interfaces ... 07093
Input devices, Output devices, Recording systems, Printers, Signal processing ... 00599
Instrumentation, Sensors, Meteorology, Software packages, Data collection ... 05372
Integrated circuits, Input output, Memory, Measurement ... 06053
Integrated circuits, Oscilloscopes, Interfaces, Displays, Alphanumerics ... 00285
Integrated circuits, Software packages, Parallel processing ... 06888
Liquid crystals, Displays, Velocity measurement, Guidance and control systems ... 02529
Local area networks, Data communications, Information processing, Workstations ... 03013
Machine tools, Robots, Precision engineering ... 02038
Magnetic storage, Floppy disks ... 02308
Magnetic variables measurement, Automation, Dissertation ... 05090
Marketing, Commerce ... 05558
Medical electronics, Cardiovascular system, Monitoring ... 03677
Metrology, Optical devices, Microelectronics, Computer aided manufacturing ... 02329
Microelectronics, Systems design, Performance, Reliability ... 06004
Nuclear reactors, Flux Detectors, Automatic control ... 04989
Optics, Liquid crystals, Microwaves, Holography, Scanning ... 08068
Optics, Personal computers, Programming, Technology, Economics ... 03987
Optics, Photometers, Spectral analysis, Kinematics, Dissertation ... 03982
Parallel processing, State machines, Programming languages, Systems design ... 02055
Photography, Cameras, Optics, Films, Digitizing ... 01333
Printers, Typesetting, Software development, Quality control ... 02327
Raster displays, State of the art ... 05672
Reliability, Debugging, Bus-board systems ... 05404
Robots, Mechanical handling, Control systems, Algorithms, Precision engineering ... 00433
Satellite communications, Teletext, Computer graphics, Software development ... 06196
Simulation, Internal combustion engines, Ignition, Torque measurement, Velocity ... 02338
Simulation, Seismology, Signal processing, Modeling, Transmission ... 05365
Simulation, Signal processing, Programming, Control systems, Measurement ... 01735
Sonar, Signal processing, Logic circuits, Oceanography ... 03108
Sound synthesis, Integrated circuits, Programming, Interfaces ... 02803
Spectral analysis, Nuclear physics, Data collection, Multiprocessing ... 00061
Spectrofluorimeters, Computer aided control, Data collection, Wavelengths ... 01938
Speech synthesis, Automotive engineering, Computer aided control, Ergonomics ... 02341
Telecommunications, Switching, Terminals, Data processing, Electronic equipment ... 01430
Telemetry, Electric power distribution, Data collection, Microwaves ... 04599
Telephones, Switching, Frequency, Receivers, Signal processing ... 03052
Teletex, Facsimile systems, Word processors ... 09435
Thin films, Film growth, Signal processing, Integrated optics, Electrooptics ... 06877
Tracking, Voltage, Frequency, Realtime systems, Measurement ... 00093
Tractors, Performance, Transducers, Software development, Dissertation ... 08731
Transducers, Error, Voltage, Measurement, Frequency ... 05843
Transmission lines, Simulation, Computer aided instruction, Current voltage ... 04302
Transportation, Management information systems, Communication networks ... 03014
Tuning, Controllers, Phase locked loops, Circuitry, Metal oxide semiconductors ... 03198
Turnkey systems, Computer aided manufacturing, Software packages, Economics ... 05402
Videotex, Interactive systems, Communication networks, Terminals ... 01336
Water, Heating systems, Energy conservation, Thermal variables control ... 02624
Microelectronics,
Adhesives, Contamination, Ions, Semiconductors ... 02859
Aircraft engineering, Integrated circuits, State of the art ... 02113
Aircraft, Guidance and control systems, Interactive systems, Systems design ... 02105
Amplifiers, Circuitry, Design ... 05522
Analog systems, Filters, Design, State of the art ... 08766
Architecture, Communication networks, Ethernet ... 04465

Microelectronics, (continued)
Architecture, Filters, Arithmetic circuits 09291
Architecture, Microcomputers, Electric power transmission, Time measurement 07091
Arithmetic circuits, Filtering, Technology 09287
Avalanche diodes, Fabrication, Gallium arsenide, Doping, Semiconductors 09188
Bipolar transistors, Switching, Amplifiers, Noise 05494
Bridges, Current voltage, Superconductors, Thermal variables measurement 04107
Bridges, Integrated circuits, Superconductors, Electrical resistance 04108
Capacitors, Circuitry, Filters 07248
Ceramics, Capacitors, Optimization, Costs 05574
Channels, Routing, Computer aided design, DEC VAX 11/780 07647
Charge coupled devices, Channels, Potentials, Charge carriers 09292
Computed tomography, Acoustics, Synthetic apertures, Imaging, Dissertation 05098
Computer aided design, Integrated circuits, Wiring, Routing 02809
Computer aided design, Simulation, Dissertation 07627
Computer aided design, Simulation, Dissertation 09277
Computer aided design, Verification, Simulation 09296
Copper, X-rays, Lithography, Resists 02545
Crystal growth, Semiconductors, Technological forecasting 02685
Electric variables control, Voltage, Simulation, Isolation structures 09275
Electron beams, Lithography, Metals 00832
Etching, Fabrication, Lithography, Integrated circuits, Electron beams 00845
Fabrication, Architecture, Computer aided design, Dissertation 04447
Fabrication, Bridges, Josephson junctions, Superconductors, Dissertation 02613
Fabrication, Channels, Routing, Wire routing 02813
Fabrication, Computer aided design, Artificial intelligence, REDESIGN 06040
Fabrication, Computer aided design, Integrated circuits, Routing, Wire routing 02812
Fabrication, Computer aided design, Modeling, MINIMOS 09257
Fabrication, Computer aided design, Simulation, PATOIS 09278
Fabrication, Counters, Arithmetic circuits 03829
Fabrication, Economics, State of the art 07625
Fabrication, Fault tolerance 07175
Fabrication, Integrated circuits, Routing 02842
Fabrication, Integrated circuits, Silicon compilation 02823
Fabrication, Lithography, Metal oxide semiconductors, Gates 06083
Fabrication, Printed circuit boards, Routing, Wiring 01243
Fabrication, Reliability 09258
Fabrication, Semiconductors, Band gaps, Superlattices 07539
Fabrication, Semiconductors, Logic circuits, Electron beam direct writing 02872
Failure, Packaged components, Spectral analysis, Materials testing 02854
Fault detection, Energy bands, Filters 04470
Fourier transforms, Data rate, Pipelining, Shuffle-exchange connections 05994
Gallium arsenide, Amplifiers, Noise 05524
Impedance, Dielectrics, Coaxial cables, Resonators 00050
Integrated circuits, Computer aided design, Dissertation 02798
Integrated circuits, Computer aided design, Routing, Wire routing 02814
Integrated circuits, Computer aided design, State of the art 02841
Integrated circuits, Design, Fabrication, Polysilicon, Contacts 02832
Integrated circuits, Design, State of the art 01251
Integrated circuits, Electron beams, Research and development 04497
Integrated circuits, Fabrication, Computer aided design, Wire routing 02810
Integrated circuits, Fabrication, Data structure, Corner stitching 06033
Integrated circuits, Fabrication, Electron beams 09303
Integrated circuits, Fabrication, Technology, Masterimage method 02824
Integrated circuits, Packaged components, Technology 02826
Integrated circuits, Protection, Packaged components, Elastomers, Silicone 06084
Integrated circuits, Routing, Design, Wire routing 02811
Integrated circuits, Signal processing, Processors, Technology 04761
Integrated circuits, Testing, Defects 06047
Integrated circuits, Thermal variables measurement, Dielectrics, Probes 02791
Interfaces, Standards, Precision engineering 05031
Ions, Etching, Materials testing 02551
Josephson junctions, Tunnel junctions, Fabrication, Current voltage 07447
Logic circuits, Fabrication, Proof theory 04469
Logic circuits, Fabrication, Routing 02843
Logic circuits, Routing 05998
Materials testing, Wire processing, Elasticity, Binding 05557
Mathematical models, Circuitry, Diagnostics, Conductance, Controllers 01252
Memory, Superconductivity, Josephson junctions, Interferometers 04062
Metal oxide semiconductors, Counters, Shift registers 07633
Metal oxide semiconductors, Field effect transistors, Current voltage, Modeling 05944
Metal oxide semiconductors, Hall effect, Transport properties, Interfaces 02821
Metal oxide semiconductors, Service life, Reliability, CMOS 04423
Metal oxide semiconductors, Transistors, Resistance, Breakdown 04429
Microprocessors, Image processing, Parallel processing 03997
Military equipment, Testing, Fault detection, State of the art 07658
Military, Testing, Fault detection 07645
MOSFET, CMOS, FIPOS, Integrated circuits, Fabrication 07670
MOSFET, Integrated circuits, Temperature, Current voltage, Dissertation 05965
Optical devices, Metrology, Microcomputers, Computer aided manufacturing 02329
Optics, Microwaves, Sensors 03526
Packaged components, Seals, Thermal expansion 01274
Packaging, Quality control, Moisture measurement 04502
Printed circuit boards, Fabrication, Routing, Wiring 02808
Processors, Arrays, Architecture, Fault tolerance, Redundancy 06012
Random access memory, Fabrication, Polysilicon 04480
Read only memory, Reliability, Fault tolerance, EPROM 03622
Remote sensing, Aircraft, Military engineering, Economics, Combat 00501
Research and development, Architecture, Signal processing, Reliability 07621
Seals, Shock waves, Thermal variables measurement, Materials testing 02795
Semiconductors, Doping, Photolithography, Integrated circuits 02830
Semiconductors, Simulation, Fabrication, Process control 07545
Signal processing, Architecture, Dissertation 07643
Signal processing, Fault tolerance, Current, Gain, CMOS, Crosstalk 08905
Signal processing, Filtering, Throughput 06039
Simulation, Computer aided design, SABLE 07623

Microelectronics, (continued)
Simulation, Time measurement, Computer aided design 07
Superconductivity, Striplines, Switching, Electrooptics, Current voltage 04
Systems design, Economics 06
Systems design, Microcomputers, Performance, Reliability 06
Technological forecasting, Telecommunications, Networks, Software development 04
Technology, Instrumentation, Measurement, State of the art 03
Testing, Fault detection, Built-in testing 07
Thermal expansion, Invar alloys, Chips, Packaged components, Reliability 07
Thin films, Electrooptics, Masks, Book 04
Thin films, Integrated circuits, Performance, Loading 04
Thin films, Transducers, Langmuir-Blogett films 04
Very large scale integration, Circuitry, Technology, Economics 06
Writing, Stepping motors, Printed circuit boards 01
X-rays, Lithography, Masks, Alignment 08
Microfilm,
Telephones, Repair, Transmission lines 01
Micrographics,
Cameras, Business statistics, Printers 01
Economics, Data processing, Office automation 05
Electronic equipment, Image processing, Integrated systems 01
File management, Minicomputers, Online systems, Computer crime, Access 00
Image processing, Technology, File management, Storage, Displays 02
Image processing, Transmission, Technology, Research and development 02
Information retrieval, Records management, Economics, Storage 00
Information retrieval, Storage, Reliability, Office automation 07
Information systems, Office automation, Technology 05
Personnel, Data processing, Records management, Automation 02
Personnel, Training, Economics, Records management, Aerospace industry 03
Real estate, Hardware, Buying and selling, Management 03
Technical drawing, Engineering 02
Technology, Office automation, Records management, Integrated systems 03
Microlithography,
Photoresists, Chemical variables measurement 00
Structural analysis, Optical storage, Lasers, Transmission electron microscopy 02
Microphones,
Frequency, Broadcasting, Recording systems, Sound waves 03
Wires, Acoustics, Product development 03
Microprocessors,
Acoustics, Image processing, Holography, Fourier transforms, Scanners 03
Aircraft engineering, Software development, Displays 06
Algorithms, Electric power generation, Loading, Meteorology, Modeling 01
Algorithms, Parameter estimation, Input output, Capacitance, Measurement 06
Arrays, Integrated circuits, Image processing, Multiprocessing 05
Automatic control, Cutting tools, Electric power apparatus, Wire processing 00
Automatic control, Machinery, Power systems, Current voltage 03
Automatic control, Marine engineering, Position control 09
Automation, Industrial processes, Process control 06
Bandwidths, Filters 02
Bipolar devices, Integrated circuits, Manufacturing, Process development 06
Channels, Error, Coding, Performance, Interleaving 03
Circuitry, Random access memory, Fabrication 04
Circuitry, Read only memory, Programming, Transistors, Random access memory 04
Communication networks, Data processing, Protocols 06
Communication networks, Packet switching, Logic, Arrays, Programming 04
Communication networks, Radios, Paging devices, Frequency, Technology 061
Computed tomography, Scanning, Radiology, Image processing, Archeology 036
Computer aided analysis, Automatic testing, Electrical resistivity, Concrete 05
Computer aided analysis, Velocity measurement, Drives 032
Computer aided control, Antennae, Tracking, Signal processing, Reliability 016
Computer aided control, Automation, Production control, Filters, Frequency 023
Computer programs, Software development, Buses, Signal processing, Testing 014
Control systems, Lift trucks, Electric vehicles 004
Control systems, Power plants, Mechanical handling equipment, Conveyors 084
Control systems, Simulation, Robustness, Velocity 016
Current voltage, Waveforms, Measurement, Frequency, Error 034
Data communications, Testing,.Error, Liquid crystal displays 014
Data processing, Time series, Geophysics, Seismology, Economics 005
Desktop systems, Networks, Data communications, Value added networks 078
Education, Electrical engineering, Circuitry, Electromechanics 038
Electric power distribution, Telemetry, Control systems, Data transmission 046
Electric power generation, Performance, Controllers, Computer aided control 048
Electric power generation, Protection, Synchronization, Fault detection 065
Electric variables control, Induction motors, Drives, Loading 065
Electric variables measurement, Data collection, Kemitron K2000E 051
Electric variables measurement, Filters, Televisions, Computer aided control 003
Electric variables measurement, Wattmeters 067
Fault detection, Energy storage components, Superconductors, Logic circuits 042
Filters, Construction, Error, Simulation, Weighting 023
Filters, Multiplication 023
Flight control systems, Aircraft, Aerospace simulation 004
Fuel efficiency, Energy conservation, Computer aided control, Balancing 023
Heat treatment, Furnaces, Thermal variables measurement, Specifications 010
Helicopters, Computer graphics, Video systems, Converters, Alphanumerics 073
Image processing, Parallel processing 039
Image processing, Programming, Computer aided manufacturing 061
Image processing, Televisions, Security, Cameras, Interactive systems 035
Impedance, Resistance, Electric power generation 049
Industrial processes, Control systems, Position control 052
Integers, Signal processing, Mathematics, Filtering, Rings 015
Integrated circuits, Data transmission, Remote sensing, Personal computers 031
Integrated circuits, Memory, Metal oxide semiconductors, Transistors 092
Integrated circuits, Testing, Radiography, Intel 8085 059
Integrated circuits, Testing, Research and development 012
Internal combustion engines, Fault detection, Reliability 023
Josephson junctions, Modeling, Circuitry, Transmission lines, Current voltage 042

roprocessors, (continued)
eak detection, Telemetry, Pipelines, Oil refining 04587
agnetic fields, Computer aided control, Voltage, Monitoring 05088
arine engineering, Acoustics, Buoy systems, Data collection, Performance 06305
athematical models, Random access memory, Tracking, Control systems 01498
atrices, Arrays, Logic, Arithmetic, Signal processing 00610
echanical handling, Robots, Control systems, Intel 8086 08565
etal oxide semiconductors, Design, Radiation, Tolerance, Logic circuits 04491
eteorology, Data collection, Reliability 05373
eteorology, Electric variables measurement 05374
odems, Signal processing, Filtering 02307
onitoring, Aircraft engines, Propulsion 00462
otors, Computer aided control, Metal oxide semiconductors 01686
ultimeters, Cost benefit analysis, Calculators, Monitoring 01920
ultiprocessing, Architecture, Office automation, Scheduling 05703
Multiprocessing, Shift registers, Buses, Image processing 05704
Office automation, Security, Communication networks, Controllers, Modems 05417
ersonal computers, Monitoring, Cardiovascular system, Cardiac pacemakers 03676
olarization, Phases, Interferometry, Analog to digital conversion 00899
ortability, Data collection, Gamma radiation, Spectrometers 05064
ower plants, Boilers, Thermal variables control 08242
Power plants, Control systems, Man machine interactions, Computer graphics 03397
Process control, Control systems, Technological forecasting, Costs 00389
Radar, Frequency control, Programmable controllers 09505
Radar, Navigation, Marine engineering 03106
Radio communications, Navigation, Electronics, Wave propagation 03087
Radios, Telecommunications, Microwave devices, Maintenance, Control systems 06109
Recording systems, Oceanography, Instrumentation, Hydrophones 05367
Remote sensing, Image processing, Raster displays, Interactive systems 02202
Robots, Vision, Inspection, Semiconductors, Software development 07653
Safety systems, Lighthouses, Remote control 00864
Safety systems, Telecommunications, Ships, Satellites 01409
Satellite communications, Programming languages, Memory, Testing 01400
Scanning, Measurement, Semiconductors, Mapping, Control systems 02548
Semiconductors, Office automation, Telecommunications, Switching, Telephones 06254
Signal processing, Blood, Flow measurement, Apple II Plus 05339
Signal processing, Frequency, Electric power generation, Arc furnaces 04942
Signal processing, Sensors, Digital to analog conversion, Frequency, Radiation 06735
Signal processing, Synchronous motors, Rotors, Velocity, Noise 00079
Signal processing, Telecommunications 04759
Signal processing, Televisions, Field memory, Receivers, Buses 02944
Signal processing, Texas Instruments TMS 320 04758
Simulation, Aircraft, Technology, Training, Economics 06964
Speech synthesis, Algorithms, Memory, Systems design, Structural analysis 06271
Speech synthesis, Integrated circuits, Time measurement 04689
Standards, Facsimile systems, Performance, Cost benefit analysis 03008
Systems design, Speech recognition 04690
Tachometers, Computer aided control, Signal processing, Velocity 03535
Technology, Standards, Architecture 03755
Telecommunications, Channels, Antennae, Data transmission, Meteor-burst 06118
Telecommunications, Telephones, Research and development, Copenhagen 03068
Teleconferencing, Video systems, Workstations, Simulation, Computer graphics 04561
Telemetry, Large scale integration, Instrumentation, Calibration 04589
Telemetry, Pulse code modulation, Circuitry, Signal processing, Storage 04594
Telephones, Reliability, Controllers, Office automation, Economics 06267
Thermal variables control, Thermometers, Control systems 00250
Thyristors, Synchronization, Signal processing, Logic 01734
Transmitters, Instrumentation, Maintenance, Economics, Calibration 09312
Typesetting, Disks, Computer programs, Text editing, Economics 02303
Videodiscs, Maintenance, Training, Economics 01323
Voltage, Frequency, Measurement, Instrumentation 05076

icroscopy,
Acoustics, Elasticity, Image processing, Dissertation 03506
Acoustics, Velocity, Impedance, Beam propagation 03502
Cryogenics, Thermal variables control, Polarization, Reflectivity 00246
Fiber optics, Alignment, Ray tracing, Image processing 09387
Lasers, Integrated circuits, Inspection, Metal oxide semiconductors, Scanning 06061
Proximity effect, Electron beams, Lithography, Calibration 08918
Scanning, Electrooptics, Image processing 08917
Scanning, Image processing, Computer aided analysis, Noise 08888
Synchrotron radiation, Semiconductors, Heterojunctions, Interfaces 02710
Tissues, Scanning, Acoustics, Elastic constants 08485
X-rays, Image processing, Diffraction, Fresnel zone plates 08952

icrostrips,
Aluminum, Superconductors, Microwaves, Impedance, Thermal variables measurement 05797
Antennae, Ferromagnets, Resonance, Dielectricity 06499
Antennae, Resonance, Frequency 04853
Antennae, Striplines, Dielectric constants 04848
Antennae, Striplines, Modular design 06498
Frequency, Dielectrics, Impedance, Millimeter waves, Numerical analysis 09100
Indium phosphide, Millimeter waves, Research and development 04830
Millimeter waves, Phase shifts, Couplers, Oscillators, Transmission lines 09093
Oscillators, Radios, Fabrication 04542
Resonators, Capacitance, Spectral analysis 09124
Resonators, Electromagnetic fields, Numerical analysis 09126
Resonators, Microwaves, Circuitry, Numerical analysis 08088
Resonators, Waveguides, Antennae 05829
Transmission lines, Capacitance, Impedance, Numerical analysis 09102
Transmission lines, Numerical analysis 09098
Traveling waves, Antennae, Design, Bandwidths 08108

icrowave devices,
Aircraft, Guidance and control systems, Performance, Design 06968
Aircraft, Landing gear, Guidance and control systems, Sensors, Filters 03631
Amplifiers, Fabrication, Computer aided design 04827
Antennae, Reflectors, Symmetry 01651
Bipolar transistors, Oscillators, Design 08823

Microwave devices, (continued)
Circuitry, Fabrication, Computer aided design 06461
Communication networks, Integrated circuits, Interactive systems 07619
Communication networks, Path location, Wave propagation, Interference, Hungary 01454
Communication networks, Topology, Amplifiers, Gallium arsenide, Dissertation 08801
Computer aided control, Distribution, Frequency, Geometry, Measurement 03238
Computer aided design, Computer aided instruction, Education, Fabrication 03244
Computer aided design, Software packages 00046
Diffraction, Tomography, Biomedical engineering, Methodology 05291
Distance measurement, Technology, State of the art, Computer aided design 09495
Fiber optics, Noise, Sensors, Signal processing, Radar 06160
Field effect transistors, Amplifiers, Communication networks, Topology 03852
Field effect transistors, Fabrication, Noise, Integrated circuits, Performance 04421
Filters, Circuitry, Frequency, Bandwidths 05448
Frequency, Channels, Modeling, Modems, Performance 09560
Frequency, Quadrature, Modulators 07983
Gallium arsenide, Amplifiers, Communication networks, Computer aided design 03843
Gallium arsenide, Bipolar devices, Integrated circuits, Silicon, Design 01240
Image processing, Scanning, Environmental protection, China 02190
Impedance, Measurement, Signal processing 00045
Instrumentation, Design, Radiation, Measurement, Atmospheric conditions 04536
Integrated circuits, Dielectric loss 07467
Integrated circuits, Fabrication, Computer aided design 08069
Integrated circuits, Packaged components, Technology, PlanarPak™ 06458
Meteorology, Remote sensing, Image processing 04828
Military, Automatic testing, Software development 06462
Modems, Parallel processing, Approximations, Filters, Integrated circuits 03169
Office automation, Satellite communications, Data transmission, Economics 04605
Oscillators, Waveforms, Numerical analysis 00697
Radar, Missiles, Military engineering, Research and development 03654
Radar, Polarization, Signal processing, Optimization, Antennae 01530
Radar, Satellite communications, Image processing, Resource management 02258
Radio communications, Mutlipath propagation, Technology, Modulation 06108
Radiometers, Remote sensing, Meteorology 08695
Radios, Mobile systems, Electronic equipment, Research and development 01297
Radios, Telecommunications, Microprocessors, Maintenance, Control systems 06109
Remote sensing, Satellite communications, Meteorology, Oceanography 00536
Resonators, Amplifiers, Receivers, Broadcasting, Field effect transistors 03850
Resonators, Structural analysis, Frequency, Coupling, Filters 03243
Satellite communications, Interference, Signal processing, Radios, Frequency 00004
Satellite communications, Transmission lines, Integrated systems 01397
Signal processing, Field effect transistors, Calibration, Measurement 07584
Technology, Military equipment, State of the art, Electronic warfare 08090
Telecommunications, Control systems, Radios, Machine machine interactions 06234
Transducers, Nondestructive testing, Metals, Flaw detection 02664

Microwaves,
Absorption, Waveguides, Filters 09120
Acoustics, Wave propagation, Neurology, Pressure 00525
Agriculture, Granular materials, Pest control, Thermodynamics, Soil science 05047
Algorithms, Statistical analysis, Attenuation, Microcomputers 08039
Aluminum, Bridges, Thermal variables measurement, Current 04089
Amplification, MESFET, Gallium arsenide, Field effect transistors 05964
Amplifiers, Gallium arsenide, Field effect transistors, Fabrication, Design 08802
Amplifiers, Stability, Gallium arsenide, MESFET 08811
Analog systems, Superconductivity, Transmission lines, Delay, Filtering 04056
Atmospheric conditions, Signal transmission, Reliability, Distortion 09575
Biology, Current, Spectral analysis, Radiation 05293
Bipolar transistors, Dielectrics, Resonators, Oscillation 02654
Blood analysis, Laboratory testing, Hyperthermia, Absorption 00504
Boron nitride, Dielectricity, Apertures, Thermal variables measurement 00039
Cancer, Tumors, Dose response effects, Hyperthermia 05305
Cavities, Electron beams, Waveguides, Cross sectional measurement 00042
Circuitry, Computer aided design, Gallium arsenide, Field effect transistors 09546
Circuitry, Design, Impedance, Numerical analysis 06475
Circuitry, Excitation, Numerical analysis, Harmonics 00051
Circuitry, Junction diodes, Power systems 00048
Circuitry, Microstrips, Resonators, Numerical analysis 08088
Classification, Signal processing, Electromagnetic fields, Waveguides 03477
Communications, Modulation, Synchronization, State of the art 06113
Computer programs, Optimization, Noise, Delay, Circuitry 03239
Connectors, Contacts, Design, Couplers, Detectors 05561
Converters, Coaxial cables, Striplines 03869
Coupling, Filters, Resonators 03236
Current, Josephson junctions, Oscillation, Tunnel junctions, Superconductivity 04193
Current voltage, Diodes, Electrical resistivity, Waveguides, Pulse generation 03245
Current voltage, Josephson junctions, Integrated circuits, Oscillators 04236
Cytology, Biology, Radiation, Thermodynamics 03682
Dielectric constants, Oil, Water pollution, Remote sensing 03444
Dielectrics, Filters, Tuning, Frequency 08087
Dielectrics, Resonance, Paper, Moisture measurement 05884
Diffraction tomography, Imaging, Mapping, Seismology 02576
Distance measurement, Standards, Avionics, Landing gear 06466
Doppler shift, Radar, Biomedical engineering, Impedance 01534
Doppler shift, Radar, Interferometry, Biology, Dissertation 08420
Electric fields, Cells, Dielectrics, Waveguides 06455
Electric power transmission, Testing, UHV, EHV 08263
Electromagnetics, Composite materials, Computer aided analysis, Curing 08037
Electron paramagnetic resonance, Magnetics, Semiconductors 02692
Electrons, Biology, Photoconductivity, Magnetic fields 03441
Entropy, Oscillators, Stability 03857
Excitation, Carbon dioxide, Gas lasers, Pumping 09012
Far infrared, Lasers, Waveguides, Oscillation 05736
Field effect transistors, Fabrication, Heterojunctions 07606
Field effect transistors, Gallium arsenide, Satellite communications 04425
Field effect transistors, Semiconductors, Logic circuits, Optics 00041
Finite element method, Waveguides, Electromagnetics, Wave propagation 04314

Microwaves, (continued)
Flip chips, Fabrication, Gallium arsenide, Power transistors 05933
Food processing industry, Drying 08063
Frequency, Resonance, Dielectrics 00037
Frequency, Synthesizers, Noise 08083
Gallium arsenide, Epitaxial growth, Transistors, Integrated circuits 04494
Gallium arsenide, Field effect transistors, Breakdown, Voltage 09237
Gallium arsenide, Field effect transistors, X-rays, Flux 03456
Gallium arsenide, Integrated circuits, Technological forecasting 01642
Gallium arsenide, MESFET, Doping, Noise, Performance 05984
Gallium arsenide, MESFET, Modeling 08070
Gallium arsenide, MESFET, Transistors, Interfaces, Fabrication 05983
Gamma radiation, Atmospheric conditions, Remote sensing, Meteorology 00578
Generators, Superconductors, Temperature, Magnetic fields, Dissertation 07442
Gyrotrons, Frequency, Magnetic fields 04835
Gyrotrons, Frequency, Tuning, Resonance, Masers 06467
Gyrotrons, Masers, Harmonics, Millimeter waves 08994
Gyrotrons, Space charge, Current 08079
Heat treatment, Capacitors, Electrodes, Biomedical engineering 06464
Heating systems, Dielectrics, Radio frequency, Cost benefit analysis 01027
Image processing, Optical communications, Computed tomography, Frequency 07329
Image processing, Radar, Ocean surveying, Current data 08672
Image processing, Reconstruction, Computer graphics, Holography 04825
Image processing, Remote sensing, Computed tomography 00047
Image processing, Waveguides, Striplines, Production planning 02639
Impedance, Aluminum, Superconductors, Microstrips 05797
Integrated circuits, Dielectrics, Resonators, Design 01064
Integrated circuits, Emitters, Silicon, Charge carriers, Bipolar transistors 02731
Integrated circuits, Signal transmission, Radio communications 02905
Irradiation, Bridges, Current voltage, Thermal variables measurement 04238
Irradiation, Far infrared, Lasers, Resonance, Modulation 07340
Irradiation, Thermography, Surface properties, Dissertation 00040
Landing gear, Avionics, Standards, Distance measurement 06957
Lasers, Spectrometers, Astrophysics, Heterodyne reception 07438
Magnetic fields, Amplifiers, Solitons, Voltage 03840
Magnetic fields, Emissions, Josephson junctions, Bias 04110
Magnetic fields, Josephson junctions, Fluxons, Emissions 04180
Marine engineering, Transistors, Radar, Transmitters 04725
Matrices, Software development, Performance 06459
MESFET, Integrated circuits, Ion implantation, Gallium arsenide 04831
MESFET, Transistors, Gallium arsenide, Heterojunctions, Dissertation 09181
Metal insulator semiconductors, Crystal growth, Fabrication 02719
Meteorology, Atmospheric conditions, Thermal variables control, Remote sensing 02180
Microwave radiation, Networks, Reflectometers, Junctions, Automation 01647
Microwave radiation, Telecommunications, Signal processing 01639
Millimeter waves, Integrated circuits, Dielectrics, Resonators 04325
Millimeter waves, Oscillators, IMPATT diodes 01135
Mixers, Impedance, Superconductivity 03874
Mixers, Remote sensing, Antennae, Dissertation 08656
Mixers, Superconductivity, Tunnel junctions, Detectors 04066
Mobile systems, Radio communications, Signal processing, Data transmission 07929
Modeling, Electromagnetic waves, Wave propagation 08084
Modulation, Semiconductor lasers, Spectral analysis 05759
Networks, Field effect transistors, Amplifiers 03854
Networks, Schottky diodes, Calibration, Detectors 06069
Niobium, Surface properties, Defects, Superconductivity 04057
Niobium, Tunnel junctions, Current density, Josephson junctions 04098
Numerical analysis, Mathematical models 08074
Oceanography, Electromagnetic waves, Salinity, Remote sensing 02273
Optics, Liquid crystals, Microcomputers, Holography, Scanning 08068
Optics, Semiconductors, Liquid phase epitaxy, Molecular beam epitaxy 09179
Oscillators, Field effect transistors, Gallium arsenide, Noise 01217
Oscillators, Noise, Injection 06471
Oscillators, Superconductivity, Voltage, Josephson junctions 04053
Photoelectric effect, Dielectricity, Bridges, Semiconductors 00806
Plasmas, Cavities, Waveguides, Frequency 00935
Polarization, Ice, Communications, Space technology 09577
Pollution control, Discharges, Pulse generation, Detectors 01941
Power systems, Metering, Sensors, Product design 01644
Pumping, Gas lasers, Acoustooptics, Mode locking 08928
Radar, Distance measurement, Filters, Clutter 08081
Radar, Oceanography, Image processing, Reflectance 00563
Radar, Pulse generation 04707
Radar, Remote sensing, Systems design, Data processing, Aircraft 01526
Radar, Scatterometers, Remote sensing, Ocean circulation 08670
Radiation, Computer applications, Monitoring instruments, Electric fields 02128
Radiation dosimetry, Laboratory methods, Biology 00512
Radio communications, Signal transmission, Spectral analysis 06112
Radio communications, Waveforms, Distortion, Antennae 07689
Radio frequency, Dielectric permittivity, Conductivity, Neurology 00522
Radiometers, Frequency, Electromagnetic waves, Atmospheric conditions 04821
Radiometers, Mixers, Receivers, Thermal variables measurement 08400
Radiometers, Remote sensing, Resolution, Satellites 08403
Radiometry, Hygrometers, Atmospheric conditions 01632
Radiometry, Wind, Velocity, Data collection, Meteorology 02277
Receivers, Electromagnetics, Interference, Radio astronomy 09323
Recording systems, Magnetic tape, Magnets 02678
Refractive indices, Wave propagation, Atmospheric conditions, Wet air 08046
Remote sensing, Crop processing and storage, Thermal variables control 03240
Remote sensing, Image processing, Meteorology, Ocean-atmosphere system 08675
Remote sensing, Ocean-atmosphere system, Radiometers, Hurricane Allen 08649
Remote sensing, Oceanography, Thermal variables measurement 03706
Remote sensing, Satellites, Wave data, Sea level 08674
Remote sensing, Simulation, Agriculture 05350
Resonators, Barium titanate, Dielectrics, Ceramics 04832
Resonators, Charge carriers, Recombination, Semiconductors, Photoconductivity 03246

Microwaves, (continued)
Satellite communications, Amplifiers, Signal reception, Noise 05
Satellite communications, Wave propagation, Electromagnetics, Scattering 03
Scattering, Gallium arsenide, Field effect transistors, Noise, Amplifiers 09
Scattering, Hydrometeors, Numerical analysis, Communications 04
Scattering, Ports, Networks, Computer aided analysis 00
Scattering, Resonance, Ferrites, Single crystals 06
Sensors, Microelectronics, Electromagnetic waves 03
Solar energy, Frequency, Electron beams, Plasmas, Dissertation 00
Spectral analysis, Dielectrics, Optical analysis, Antimony sulfur iodide 01
Spectral analysis, Scattering, Signal processing, Detectors 06
Spectrometers, Pollution control, Chemical variables measurement, Resonators 01
Stepping motors, Tuning, Computer aided control 06
Striplines, Ultrahigh frequency, Packaged components, Integrated circuits 02
Substrates, Filters, Striplines 00
Superconductors, Filters, Striplines, Signal processing 09
Surface properties, Remote sensing, Backscattering 03
Systems design, Ultrahigh frequency, Data communications 01
Telemetry, Electric power distribution, Microcomputers, Data collection 04
Thin films, Fabrication, Calorimetry, Barretters 04
Transistors, Amplifiers, Computer aided design 05
Transistors, Current, Parameter estimation, Modeling 01
Transistors, Logic circuits, Fabrication 06
Tunnel junctions, Josephson junctions, Superconductivity, Magnetics, Networks 04
Ultrahigh frequency, Data communications, Integrated circuits 01
Ultrasonics, Cardiovascular system, Flow rates 02
Ultrasonics, Tissues, Absorption, Liver 02
Wave propagation, Atmospheric conditions, Refraction, Radar 06
Wave propagation, Frequency, Attenuation, Atmospheric conditions 08
Wave propagation, Indium antimonide, Plasmas, Electromagnetic fields 03
Wave propagation, Turbulent flow, Cosmic radiation 03
Waveguides, Antennae, Bandwidths, Satellite communications 08
Waveguides, Ferrites, Faraday rotation, Magnetic fields, Tensor permeability 05
Waveguides, Radiation, Biology, Adsorption 03
Waveguides, Striplines, Cutoff 08

Military,
Automatic testing, Microwave devices 06
Communications, Channels, Speech recognition, Signal to noise ratio 06
Communications, Decision making, Technology, C^{3}I 08
Communications, Millimeter waves, State of the art, Book 06
Communications, Satellites, Infrared, Mapping 05
Electronic mail, Planning, Technology, Testing 06
Fiber optics, Data transmission, Sensors, Industry, Circuitry 04
Government programs, Navigation, Technology, Economics, Position control 03
Microelectronics, Testing, Fault detection 07
Networks, Spread spectrum communications 02
Radar, Detectors, Space technology, Underwater technology 07
Research and development, Communications, Electromagnetics 09
Resource management, Computer programs, Technology, Control systems 02
Signal processing, Speech transmission, Coding, Bandwidths, Dissertation 04
Signal transmission, Security, Coding, Pulse code modulation 04
Space technology, Communications, History, Technological forecasting 09
Telecommunications, Distributed processing, Technological forecasting 08
Telecommunications, Management, Research and development 06

Military aircraft,
Aircraft engineering, Flight control systems, Automatic control 021
Aircraft engineering, Flight control systems, Displays, Color 06
Aircraft engineering, Helicopters, Agusta A129 Mongoose 06
Aircraft engineering, Multiplexing, Buses, Maintenance 021
Aircraft engineering, Sensors, Flight control systems, Electron beam technology 06
Aircraft engineering, Technology, Radar, Antennae 094
Capital investment, Buying and selling, Navigation 004
Communications, Speech recognition, Software development 062
Displays, Control systems, Alarm systems, Systems design 036
Displays, Imaging, Illumination 069
Displays, Instrumentation, Technology, Research and development 069
Electric variables control, Reliability, Flight control systems 085
Flight control systems, Recording systems, Speech recognition 085
Flight control systems, Simulation, Systems analysis 020
Guidance and control systems, Simulation, Performance, Aerodynamics 085
Guidance and control systems, Speech synthesis, Testing, Systems design 069
Helicopters, Displays, Flight control systems, Computer aided design 020
Landing gear, Specifications, Testing 020
Lasers, Gyroscopes 040
Lasers, Gyroscopes, Navigation, Guidance and control systems 074
Military engineering, Guidance and control systems, Automation, Defense 004
Radar, Weapons, Missiles, Guidance and control systems 047
Reliability, Antennae, Radar 069
Research and development, Fiber optics, Speech recognition 052
Sensors, Missiles, Nuclear energy, Weapons, Research and development 052
Speech recognition, Man machine interactions, Modeling, Simulation, Testing 046
Stores management systems, Architecture, Hierarchies, Data transfer 021
Weapons, Radar 047
Weapons, Reliability, Circuitry, Computer aided control 085
Weapons, Sonar, Helicopters 095
Weapons, Systems design, Antennae, Electronic equipment, Economics 052

Military engineering,
Aerospace simulation, Displays, Helicopters 052
Aircraft engineering, Production control, Flight testing 052
Aircraft, Research and development, Systems analysis, Technological forecasting 036
Aircraft, Weapons, Missiles, State of the art 069
Bragg cells, Receivers, Radio frequency, Spectral analysis 008
Cartography, Computer programs, Tracking, Computer graphics, Displays 021
Ceramics, Electronic equipment, Packaging, Composite materials 060
Computer aided analysis, Information retrieval, Technological forecasting 004
Data communications, Radio communications, Signal transmission, Aircraft 052

ry engineering, (continued)
splays, Ergonomics, Liquid crystals, Cathode ray tubes, Terminals 08891
ectric power apparatus, Submarines, Production planning, Shipbuilding 02120
er optics, Sights, Design, Resolution 00809
idance and control systems, Military aircraft, Automation, Defense 00496
age processing, TOW, Weapons, Design 00502
ormation processing, Records management, Software development, Channels 05283
erference, Radio communications, Electronic warfare 00503
sers, Communications, Space technology 07703
sers, Optical systems, Design, Alignment, Distance measurement 00990
apping, Computer graphics, Displays, Data bases, Terrain analysis 02224
crowave devices, Radar, Missiles, Research and development 03654
ssiles, Guidance and control systems, Fiber optics, Simulation 06986
ssiles, Sensors, Guidance and control systems, Technology 05284
ssiles, Technology, Economics, Research and development, Government aid 08621
odeling, Missiles, Gravity, Trajectories 00499
uclear energy, Fuels, Electric power generation, Weapons 08286
ptical systems, Design, DIVAD, Weapons, Lasers 00811
ower systems, Space stations, Research and development 02099
adios, Mobile systems, Data transmission, Signal processing, Wave propagation 01300
emote sensing, Aircraft, Microelectronics, Economics, Combat 00501
esearch and development, Weapons, Integrated circuits, Munition circuits 02081
obots, Management, Technology, Research and development 08525
atellite communications, Navigation, Aircraft, Guidance and control systems 00491
atellites, Meteorology, Image processing 00572
imulation, Radios, Mobile systems, Telecommunications, Computer aided design 01298
pace technology, Communication networks, Satellite communications 06178
pace technology, Planning, Weapons, USSR, United States 08612
pace technology, Satellite communications, Onboard processing 05259
tress, Ergonomics, Human factors, Behavior 02125
echnology, Missiles, ICBMs 06987
echnology, Speech recognition 04682
elemetry, Data communications, Satellites 04583
raining, Technology, Speech recognition 01489
eapons, Economics, Lasers, Energy, Research and development 04039
eapons, Flight control systems, Missiles, Radar, Spacecraft 03636
eapons, Missiles, Control systems, Video systems, Testing 08626
eapons, Radar, Image processing 04723
eapons, Service life, Reliability, Guidance and control systems, Simulation 00500
eapons, Technology, State of the art, NATO 08620
eapons, Tracking, Cartography, Terrain analysis, Data bases 02219
tary equipment,
icroelectronics, Testing, Fault detection, State of the art 07658
ockets, Nuts and bolts, Inspection, Robots 08600
echnology, Microwave devices, State of the art, Electronic warfare 08090
nmanned vehicles, Towed sensors, Sonar, Search and rescue 07881
eapons, Manufacturing, Electronic equipment, Aircraft 06982
llimeter wave,
Radar, Research and development 09509
llimeter waves,
Amplifiers, Signal processing, Waveguides, Gyrotrons 07194
Amplitude, Frequency, Signal processing 03152
Antennae, Dielectrics, Waveguides, Dissertation 06491
ARITT diodes, Mixers, Detectors, Dissertation 01147
Combiners, Resonators, Oscillators 04834
Data communications, Field effect transistors, Receivers 01898
Dielectric constants, Waveguides, Integrated circuits, Wave propagation 01050
Dielectric permittivity, Fluid dynamics, Wave propagation 01097
Dielectrics, Permittivity, Resonators, Thermal variables measurement 09128
Dielectrics, Waveguides, Design, Integrated circuits, Reliability 01047
Dielectrics, Waveguides, Interferometers, Modulation, Switching 04833
Diodes, Gallium arsenide, Transport properties, Monte Carlo method 04375
Diodes, Modeling, Circuitry, Transport equations, Energy conservation 05904
Electron beams, Cavities, Numerical analysis 00269
Filters, Diffraction gratings, Lasers, Couplers 06469
Fourier transforms, Spectroscopy, Refractive indices, Materials testing 03561
Frequency, Converters, Noise, Performance, Dissertation 02716
Generators, Power, Frequency, Hysteresis 01699
Generators, Power, Wave propagation, Computer aided analysis, Gyro-peniotrons 08828
Gyrotrons, Frequency, Tuning, Resonance, Masers 06467
Gyrotrons, Magnetic fields, Solenoids 00044
Gyrotrons, Modes, Magnetic fields 00043
Gyrotrons, Oscillators, Harmonics, Resonators 08091
Gyrotrons, Space charge, Current 08079
Gyrotrons, Waveguides, Coupling, Transmissions 09113
Image processing, Lenses, Antennae, Optical analysis 08121
IMPATT diodes, Oscillators, Pulse generation, Dissertation 00695
Indium phosphide, Gunn effect, Oscillators, Amplifiers, Optimization 05531
Indium phosphide, Integrated circuits, Receivers, Packaged components 08080
Infrared, Cavities, Resonators, Lasers 01007
Integrated circuits, Couplers, Design 08076
Integrated circuits, Dielectrics, Microwaves, Resonators, Gallium arsenide 04325
Integrated circuits, Dielectrics, Waveguides, Fabrication 04318
Integrated circuits, Semiconductors, Antennae 08093
Integrated circuits, Technological forecasting, Packaged components 07616
Interferometers, Dielectricity, Optical analysis, Materials testing 03487
Interferometry, Radioastronomy, Electromagnetic waves, Detectors, Mapping 04710
Lasers, Gyroscopes, Resonance 00937
Lasers, Methyl fluoride, Frequency, Oscillators 09029
Lead, Salts, Detectors, Sensors, Performance 06787
Microstrips, Frequency, Dielectrics, Impedance, Numerical analysis 09100
Microstrips, Phase shifts, Couplers, Oscillators, Transmission lines 09093
Microstrips, Research and development, Indium phosphide, Passive components 04830
Microwaves, Gyrotrons, Masers, Harmonics 08994
Mixers, Antennae, Radio frequency, Signal converters 04849
Mixers, Fabrication, Detectors, Fabrication, Niobium carbonitride, Films 05796

Millimeter waves, (continued)
Mixers, Remote sensing, Antennae, Dissertation 08656
Mixers, Tunnel junctions, Numerical analysis 07209
Mixers, Waveguides, Transmitters, Receivers, Performance 06453
Networks, Scattering, Waveguides, Calibration 08029
Networks, Telecommunications, Multiplexing, Reliability 03057
Noise, Semiconductors, Field effect transistors, Materials planning and control 01238
Oscillation, IMPATT diodes, Molecular beam epitaxy, Gallium arsenide 04378
Phase shifts, Waveguides, Dielectric constants, Wave propagation, Plasmas 07480
Polarization, Materials testing 01899
Radio astronomy, Antennae, Telescopes, Reflection 01648
Radio frequency, Metrology, Signal processing 03476
Receivers, Oscillators, Heterodyne reception, State of the art 06731
Reflection, Spectral analysis, Glass, Interferometers 08951
Refraction, Interferometers, Thermal variables measurement, Polystyrene 08950
Refractive indices, Absorption, Beryllium oxide, Ceramics 07534
Schottky diodes, Harmonics, Mixers, Semiconductors 04370
Semiconductors, Heterojunctions, MESFET, IMPATT diodes 05906
State of the art, Communications, Military, Space technology, Book 06420
Telescopes, Annular synthesis, Beam propagation 02910
Telescopes, Bolometers, Thermal variables measurement, Helium 00273
Transmission, Waveguides, Couplers, Image processing 09109
Tunnel junctions, Superconductivity, Josephson junctions, Fabrication 04224
Wave propagation, Attenuation, Atmospheric conditions, Humidity 08048
Wave propagation, Modeling, Atmospheric conditions, Attenuation 08050
Wave propagation, Semiconductors, Plasmas, Magnetization, Resonance 00031
Waveguides, Couplers, Computer aided design 07484
Waveguides, Dielectricity, Wave propagation, Antennae 03247
Waveguides, Sensors, Missiles, Guidance and control systems, Signal processing 00494
Mineralogy,
Geology, Mapping, Image processing, Energy resources 08662
Soil science, Remote sensing, Mapping, Thematic mapping 08647
Minerals and ores,
Mapping, Acoustics, Transmission lines, Electromagnetic fields 03218
Polarization, Electrical conductivity, Electromagnetic fields, Geodesy 03219
Remote sensing, Data collection, Iron, Mining 02223
Remote sensing, Soil science, Receivers, Transmitters, Electrical resistivity 03698
Minicomputers,
Algorithms, Image processing, Computed tomography, Detection 06996
Biomedical engineering, Signal processing, Data collection, Coding 05308
Computer aided analysis, Spectroscopy, Gamma radiation 05063
Computer aided control, Kilns, Cement industry 08841
Computer graphics, Displays, Televisions, Receivers, Image processing 07087
Computer programs, Failure, Detection, Guidance and control systems 06283
Computer programs, Radios, Wave propagation, Modeling, Satellite communications 01602
Control systems, Utilities, Electric power distribution 03311
Data bases, Image processing, Plotting, Photography, Terrain analysis 00546
Electromagnetics, Computer programs, Mesh generation, Finite element method 06402
Electronic mail, Software packages, Security 01440
File management, Online systems, Computer crime, Micrographics, Access 00602
Finite element method, Electromagnetics, Problem solving, Algorithms 06805
Integrated circuits, Metal oxide semiconductors, Field effect transistors 04417
Interactive systems, Computer graphics, Economics, Programmable calculators 02299
Interactive systems, Simulation, Control systems, DESIRE 05418
Interfaces, Spectrometers, Software development 05138
Mainframes, Local area networks, Plug compatibility 05411
Optics, Telescopes, Automation, Scanning, Photography 00377
Radio communications, Wave propagation, Satellite communications 04801
Rotating bodies, Solenoids, Superconductivity, Current voltage 04280
Satellite communications, Signal processing, Buses, Simulation 04608
Scattering, Electromagnetics, Measurement, Automation 03479
Simulation, Communication networks, Interactive systems, Processors, Modems 07825
Minimization,
Signal processing, Communication networks, Distortion, Channels 03125
Mining,
Air shafts, Measurement, Lasers, Reliability 09008
Circuit breakers, Power systems, Transmission lines 03833
Coal, Resource management, Mapping, Data bases, Computer aided analysis 02231
Iron, Remote sensing, Data collection, Geology, Minerals and ores 02223
Loading, Harmonics, Thyristors, Power systems 01784
Occupational health, Noise levels, Laboratory testing, Industrial noise 00588
Power systems, Circuit breakers, Voltage, Fault detection, Standards 03834
Radios, Packaging, Isolation systems, Transceivers, Vibration 01311
Remote sensing, Electric fields, Magnetic fields, Accidents 07077
Safety, Energy storage components, Batteries 08295
Telecommunications, Machinery, Pollution control equipment 02999
Underwater technology, Cables, Signal transmission, Fiber optics 07042
Uranium, Tracers, Bioassays, Lasers, Monitoring 04051
Mirrors,
Diffraction, Resonators, Apertures, Lasers 09127
Heliostats, Solar collectors, Receivers 01834
Lasers, Coatings, Surface roughness 07416
Lasers, Heating, Electrons, Crystals, Lattices 07421
Lasers, Noise, Performance 08963
Mapping, Satellite communications, Scanning, Error, Surface properties 07019
Metal oxide semiconductors, Transistors, Deformation, Modeling 07326
Mirror machines, Fusion, Power systems, Performance 06638
Mirror machines, Fusion, Vacuum technology, Superconductors, Magnets 06636
Mirror machines, Magnets, Fusion, Computer aided control 08277
Mirror machines, Magnets, Fusion, Magnetic fields, Measurement 06834
Mirror machines, Superconductors, Magnets, Solenoids, Fusion 06637
Modeling, Signal transmission, Resonators, Parameter estimation, Lasers 05770
Optics, Measurement, Interferometry 00877
Optics, Metrology, Scanning 00245
Photometry, Filters 08924
Solar collectors, Production planning, Electric power generation 01825

Mirrors, (continued)
Solar energy, Chemical variables measurement, Surface properties, Spectroscopy 00208
Solar energy, Heat transfer, Filters, Solar cells 03933
Solar energy, Materials testing, Precision engineering 03367
Solenoids, Design, Magnetic fields, Magnetohydrodynamics 06643
Solenoids, Plasmas, Magnetohydrodynamics 06644
Spectrometers, Diffraction gratings, Cameras, Collimators 00307
Tokamaks, Cyclotrons, Polarization, Interferometers 06506
Missiles,
Aircraft, Military engineering, Weapons, State of the art 06983
Aircraft, Performance, Velocity, Tracking, Simulation 05258
Ballistics, Radar, Detection, Satellite communications, USSR 03104
Carrier waves, Radar, Tracking, Guidance and control systems 01532
Controllers, Optimization, Simulation, Dissertation 08625
Guidance and control systems, Design, Optimization, Performance 05273
Guidance and control systems, Noise, Acoustic variables measurement, Filters 08622
Guidance and control systems, Pulses, Optimal control, Motors, Algorithms 03630
Guidance and control systems, Simulation 06985
Infrared, Image processing, Guidance and control systems, Electrooptics 00274
Microwave devices, Radar, Military engineering, Research and development 03654
Military aircraft, Sensors, Nuclear energy, Weapons, Research and development 05286
Military engineering, Sensors, Guidance and control systems, Technology 05284
Military engineering, Technology, Economics, Research and development 08621
Military engineering, Weapons, Control systems, Video systems, Testing 08626
Military engineering, Weapons, Flight control systems, Radar, Spacecraft 03636
Military, Satellites, Mapping 05280
Military, Tracking, Simulation 07860
Modeling, Filters, Gravity, Military engineering, Trajectories 00499
Research and development, Guidance and control systems, Fiber optics 06986
Research and development, Propulsion, Aerodynamics, Reliability 06984
Rocket engines, Time measurement, Pressure measurement, Transducers 00474
Safety systems, Batteries, Aerospace test facilities, Standards 01794
Satellites, Space technology, Weapons, Lasers 00489
Sensors, Waveguides, Millimeter waves, Guidance and control systems 00494
Space technology, Guidance and control systems, Reliability 05282
Space technology, Sensors, Height measurement, Pressure measurement 08599
Space technology, Spacecraft, Aerospace test facilities 02085
Systems design, Project engineering, Government programs 00492
Technology, Military engineering, ICBMs 06987
Training, Technological forecasting, Sensors, Guidance and control systems 00493
Weapons, Military aircraft, Radar, Guidance and control systems 04716
Weapons, Position control, Simulation, Monte Carlo method 06981
Mixers,
Amplification, Pulse generation, Nozzles, Gas lasers 04033
Amplifiers, Signal to noise ratio, Performance 02437
Antennae, Receivers, Heterodyne reception, Schottky diodes 06503
BARITT diodes, Millimeter waves, Detectors, Dissertation 01147
Circuitry, Performance, Pumping 08086
Diodes, Fabrication, Gallium arsenide, Liquid phase epitaxy, Planar processes 07547
Diodes, Striplines, Signal processing, Capacitance voltage 06456
Field effect transistors, Gallium arsenide, Thin films, Fabrication 04427
Heterodyne reception, Receivers, Schottky diodes, Lasers 09019
Methyl fluoride, Gas lasers, Pumping, Frequency, Measurement 07406
Microwaves, Impedance, Superconductivity 03874
Microwaves, Millimeter waves, Antennae, Remote sensing, Dissertation 08656
Millimeter waves, Antennae, Radio frequency, Signal converters 04849
Millimeter waves, Detectors, Fabrication, Niobium carbonitride, Films 05796
Millimeter waves, Tunnel junctions, Numerical analysis 07209
Millimeter waves, Waveguides, Transmitters, Receivers, Performance 06453
Optical communications, Image processing, Waves, Materials testing 07327
Radio astronomy, Receivers, Tunnel junctions, Amplifiers 06494
Receivers, Microwaves, Radiometers, Thermal variables measurement 08400
Receivers, Superconductors, Tunnel junctions 01016
Schottky diodes, BARITT diodes, Millimeter waves, Performance, Dissertation 02716
Semiconductors, Charge carriers, Noise, Millimeter waves, Schottky diodes 04370
Signal converters, Oscillators, Lasers, Frequency 00906
Signal converters, Superconductivity, Josephson junctions 03873
Signal transmission, Image processing, Diodes, Current voltage, Frequency 03257
Superconductors, Convolvers, Signal processing, Tunnel junctions 04059
Superconductors, Junctions, Current voltage, Frequency, Noise 04169
Tunnel junctions, Microwaves, Superconductivity 04066
Tunnel junctions, Noise, Temperature, Current voltage, Receivers 07576
Mixing,
Molding, Continuous casting, Electric power apparatus 00038
Phase shifts, Wavefronts, Image processing, Light scattering 00846
Mobile systems,
Antennae, Radios, Telephones, Wave propagation, Signal to noise ratio 01458
Bandwidths, Channels, Radios, Error correcting codes, Signal transmission 01304
Channels, Transmission, Radio communications 04528
Communication networks, Protocols, Packet switching, Radios 07680
Communication networks, Radios, Architecture, Algorithms, Simulation 07685
Communication networks, Switching, Radar, Electronic equipment 01447
Communication networks, Telephones, Cells, Signal processing 01312
Facsimile systems, Telecommunications, Technology, Japan 09426
Filters, Acoustics, Waves, Radios, Telephones 01457
Mathematical models, Interference, Televisions, Receivers, Signal transmission 01383
Mathematical models, Radios, Channels, Interference, Probability 01305
Military engineering, Radios, Data transmission, Signal processing 01300
Radio communications, Data transmission, Control systems 04529
Radio communications, Interference, Mathematical models, FH/MFSK 09569
Radio communications, Microwaves, Signal processing, Data transmission, Noise 07929
Radio communications, Signal processing, Interference 07688
Radio communications, Systems design 04539
Radio communications, Telephones, Channels, Signal processing 04652
Radio communications, Telephones, Spread spectrum communications 04527
Radio communications, Transmission lines, Maintenance 04533
Mobile systems, (continued)
Radio communications, Water supply, Pipelines, Maintenance 04
Radiometers, Measurement, Computer aided analysis, Portability, Data collection 05
Radios, Access, Speech transmission, Delay, Simulation 07
Radios, Cellular arrays, Decision making, Technology, Research and development 02
Radios, Channels, Signal transmission, Reliability 06
Radios, Communication networks, Security, Systems design, Modeling 04
Radios, Microwave devices, Electronic equipment, Research and development 01
Radios, Phase shift keying, Frequency, Filters, Interference 06
Radios, Signal transmission, Synchronization, Telecommunications, Interference 01
Radios, Telecommunications, Algorithms, Graphs, Simulation 02
Satellite communications, Antennae, Amplifiers, Frequency, Speech transmission 04
Satellite communications, Marine engineering, Research and development 06
Satellite communications, Radios, Cellular arrays, Frequency, Technology 02
Satellite communications, Research and development, Terminals, Access 04
Simulation, Radios, Telecommunications, Military engineering 01
Simulation, Signal transmission, Modulation, Radios, Fading 07
Software development, Simulation, Research and development, Telephones 04
Speech recognition, Radios, Satellite communications, Modulation, Dissertation 04
Spread spectrum communications, Radios, Frequency, Signals, Tracking 01
Systems design, Data communications, Interfaces, Field instrumentation 06
Technology, Telephones, Radio communications, Cellular radio 09
Telecommunications, Radios, Reliability, Protocols, Dissertation 07
Telephones, Frequency, Bandwidths, Signal transmission 01
Telephones, Radios, Marketing, Telecommunications, Research and development 01
Telephones, Radios, Quality control, Research and development 01
Modeling,
Access, Transmission, Local area networks, Protocols 04
Acoustics, Fluid mechanics, Soil science 02
Acoustics, Image processing, Sensors, Signal to noise ratio, Dissertation 08
Acoustics, Sound propagation, Deep water 07
Actuators, Magnetic variables control, Dissertation 05
Aircraft engineering, Attitude control, Optimization 03
Aircraft engineering, Surface properties, Current, Transient response 03
Aircraft engineering, Vibration, Helicopters 00
Aircraft, Propulsion, Control systems, Performance, Simulation 08
Aircraft, Propulsion, Flight control systems, Simulation, Stability 05
Airfoils, Stability, Transonic flow 08
Algorithms, Convergence, Respiratory system, Noise, Parameter estimation 07
Algorithms, Electric power generation, Loading, Meteorology, Microprocessors 01
Algorithms, Filtering, Multivariate analysis, Signal processing, Estimation 06
Algorithms, Least squares estimation, Filtering 04
Algorithms, Speech recognition, Signal to noise ratio 04
Alloys, Electric fields, Structural analysis, Scattering, Current voltage 01
Amplifiers, Metal oxide semiconductors, Current voltage 02
Antennae, Tuning 08
Approximations, Delay, Metal oxide semiconductors, Integrated circuits 05
Arrays, Design, Adaptive control 08
Atmospheric conditions, Oceanography, Prediction, Numerical analysis 00
Automatic testing, Transistors, Metal oxide semiconductors 05
Autoregressive analysis, Signals, Parameter estimation 031
Autoregressive analysis, Simulation, Signal detection, Noise 031
Ballistics, Propellants, Rockets, Flames 036
Biomedical engineering, Electroencephalograms 036
Biomedical engineering, Neurology, Threshold stimulus amplitudes 053
Bipolar transistors, Finite difference method 059
Boundary value problems, Signal processing, Extrapolation, Noise 047
Broadcasting, Signal processing, Technology, Systems design, Customer services 013
Buses, Distributed processing, Networks, Queueing theory 053
Calibration, Spacecraft, Launching facilities 036
Capacitance, Junctions, Current voltage, Loops 059
Capacitance, Metal oxide semiconductors, Transistors 011
Capacitors, Switching, Voltage, Logic circuits 072
Capital investment, Electric power generation, Kenya, Dissertation 002
Carburizing, Computer aided manufacturing, Automation, Loops, Diffusion 020
Cardiovascular system, Loading, Biomedical engineering, Dissertation 021
Cardiovascular system, Medical electronics, Signal processing 036
Cartography, Uncertainty, Design, Geography 022
Cathode ray tubes, Formatting, Design, Grammars, Dissertation 054
Channels, Generators, Magnetohydrodynamics, Electrodynamics, Gasdynamics 066
Channels, Metal oxide semiconductors, Field effect transistors 011
Charge carriers, Signal to noise ratio, Transfer functions 012
Chemical lasers, Signal processing, Power 074
Circuitry, Arbiters, Latch, Synchronizers, Delay 006
Circuitry, Capacitors, Charge, Switched capacitors 055
Circuitry, Diagnostics, Functions 006
Circuitry, Induction machines, Electrostatics, Dissipation 032
Circuitry, Iteration, Matrices, Signal processing, Numerical analysis 055
Circuitry, Parameter estimation, Induction motors, Torque 032
Circuitry, Semiconductors, Field effect transistors, Gallium arsenide 011
Circuitry, Signal processing, Petri nets, Probability, Stochastic processes 038
Circuitry, Terminals, Resistors, Controllers 071
Circuitry, Time measurement, Oscillators, Amplifiers 087
Clinical medicine, Cardiovascular system, Monitoring, Fetal heart rate 005
Coding, Arithmetic, Markov processes, Data transmission, Matching 0795
Coding, Search strategies, Flowcharts, Receivers, Statistical analysis 0958
Coding, Speech recognition, Markov processes 014
Coil winding machines, Voltage, Surges, Armature 017
Communication networks, Channels, Signal to noise ratio, Interference 062
Communication networks, Computer programs, Education 071
Communication networks, Failure, Decomposition, Probability, Dissertation 060
Communication networks, Frequency, Circuitry, Computer aided analysis 000
Communication networks, Integrated systems, Signal transmission, Performance 046
Communication networks, Protocols, Failure, Partitioning, Dissertation 037
Communication networks, Traffic, Matrices, Data transmission, Performance 014
Communications, Bandwidths, Noise, Filters 078

deling, (continued)
Communications, Channels, Speech transmission 03154
Communications, Noise, Filters, Dissertation 04733
Communications, Signal transmission 01573
Communications, Transmission, Noise, Threshold detectors 07988
Computed tomography, Image processing, Radioisotopes, Attenuation, Dissertation 03967
Computer aided control, Flow, Lasers, Kinematics, Numerical analysis 05737
Computer aided design, Integrated circuits, Field effect transistors 06778
Computer aided design, Integrated circuits, PATOIS, Dissertation 09278
Computer aided design, Lightwaves, Waveforms, Noise 07700
Computer aided design, Simulation, Communication networks, Decomposition 07823
Computer programs, Metal oxide semiconductors, Integrated circuits 07585
Computer programs, Radios, Wave propagation, Minicomputers 01602
Computer programs, Sonobuoys, Oceanography, Validation, Waves 07056
Conductors, Transmission lines, Striplines 03811
Control, Reliability, Power systems 03404
Control systems, Induction motors, Feedback, Current 03273
Control systems, Optimization, Reliability, Errors, Dissertation 06931
Control systems, Simulation, Numerical analysis 05178
Controllers, Manipulators, Mechanical handling, Performance, Dissertation 08526
Controllers, Optimization, Stability 00393
Controllers, Power systems, Dissertation 06695
Converters, Current voltage, Input output, Circuitry, Dissertation 05546
Converters, Output, Voltage, Prediction, Dissertation 01852
Crack propagation, Geology, Plasticity, Soil science, Loading 03694
Current, Pnp junctions, Transistors, Epitaxial growth, Doping 04400
Current, Voltage, Capacitance, Tunneling, Solar cells 07275
Current voltage, Circuitry, Generators, Induction machines 01681
Data collection, Resource management, Economics, Satellite communications 03692
Data compression, Signal processing, Spectral analysis, Prediction 03132
Data compression, Statistical analysis, Probability, Distributions 03126
Data transmission, Communication networks, Packet switching 01450
Decomposition, Circuitry, Resistors, Capacitors, Diodes 07156
Delay, Simulation, Controllers, Specifications, Algebraic equations 05222
Diffraction, Scattering, Frequency, Dielectricity 04817
Diffusion, Hamiltonians, Dynamics, Oscillation, Power systems 08251
Discharges, Lifetimes, Batteries, Nickel, Cadmium 08297
Displays, Color, Receivers, Image processing, Statistical analysis 03969
Distortion, Filters, Nonlinearities 03841
Drives, Electric variables measurement, Torque, Velocity, Numerical analysis 04858
Ears, Sound waves, Displacement, Frequency 02157
Eddy current, Electric machines, Finite element method, Numerical analysis 06765
Eddy current, Uniqueness, Minimization, Research and development 06755
Electric fields, Breakdown, Pressure 06791
Electric fields, Cytology, Simulation 07016
Electric power distribution, Energy, Loss factor, Loading, Quadratic equation 04896
Electric power distribution, Loading, Economics 06697
Electric power distribution, Planning, Economics, Flow, Algorithms 06570
Electric power generation, Computer aided control, Simulation, Performance 04889
Electric power generation, Coupling, Loading, Flow, Dissertation 05030
Electric power generation, Education, Laboratories, Computer aided control 05432
Electric power generation, Interactive systems, Loading, Computer graphics 03317
Electric power generation, Loading, Flow, Algorithms, Identification 04962
Electric power generation, Loading, Management, Control systems, Dissertation 01853
Electric power generation, Loading, Numerical analysis, Industry 05012
Electric power generation, Nuclear energy, Coal, Economics, Maintenance 06613
Electric power generation, Planning, Failure, Economics, Utilities 03374
Electric power generation, Planning, Optimization, Finance 06681
Electric power generation, Probability, Flow, Loading, Numerical analysis 06615
Electric power generation, Production planning, Operations, Optimization 03390
Electric power generation, Reliability, Economics, Probability, Planning 04916
Electric power generation, Scheduling, Brazil 03312
Electric power generation, Simulation, Stability, Time measurement 04946
Electric power generation, Utilities 01868
Electric power transmission, Loading, Dissertation 03379
Electrical conductivity, Inverters, Electrical resistivity 03467
Electrochemical reactions, Batteries, Teflon, Electrochemical reactions 00184
Electrochemical reactions, Stability, Reactors, Computer aided analysis 08309
Electrochemistry, Wave propagation, Structural analysis 00517
Electrodes, Fuel cells, Electrolytes, Melts 08302
Electromagnetic waves, Scattering, Current 03209
Electromagnetic waves, Scattering, Surface roughness, Dissertation 06412
Electromagnetics, Conduction, Stability, Finite element method 07449
Electromagnetics, Radiation, Antennae, WFLLL2B 06411
Electromagnetics, Scattering, Dielectrics 04807
Electromagnetics, Structural analysis, Eddy current, Differential equations 06565
Electromagnetics, Structural analysis, Iteration, Fourier analysis, Flux 06813
Electromagnetics, Transformers, Numerical analysis 06827
Electromagnetics, Waves, Thermal variables measurement 08053
Electronic equipment, Machinery, Simulation, Stability, Testing 06520
Electrons, Output, Photodiodes 08867
Energy conversion, Aluminum gallium arsenide, Solar cells 02510
Energy conversion, Electric variables control, Machinery, Stress, Education 06509
Energy storage components, Actuators, Audio systems 09137
Energy storage devices, Power plants, Loading, Economics, Numerical analysis 06572
Ergonomics, Aircraft engineering 05256
Estimation, Amplitude, Signal processing, Noise, Bayesian analysis 03118
Estimation, Power plants, Loading, Matrices, Reliability 06612
Estimation, Recursion, Circuitry, Algebra, Filters 03804
Fault tolerance, Multiprocessors 00595
Fiber optics, Fusion, Tubes, Fabrication 09351
Field effect transistors, Current voltage, Drain, IGFET 04418
Field effect transistors, Current voltage, Monte Carlo method, MESFET 02758
Field effect transistors, Drift diffusion current, Computer aided design 02767
Field effect transistors, Travelling waves, Electrode systems 05939
Films, Sensors, Thermodynamics, Simulation, Materials testing 07463

Modeling, (continued)
Filtering, Parameter estimation, Signal processing, Noise 04764
Filters, Algorithms, Transmission lines, Protection, Differential equations 01730
Filters, Canonical forms 05460
Filters, Design, Error, Noise, Signal processing 05320
Filters, Fabrication, Fault tolerance 05461
Filters, Maximum likelihood estimation, Waves, Stochastic processes, Simulation 01541
Filters, Programming, Signal processing, Integrated circuits 05449
Filters, Scattering, Estimation, Algorithms, Communication networks 08758
Filters, Sensitivity, Circuitry, Signal processing, Graphs 03787
Filters, Statistical analysis, Error, Convergence, Dissertation 05466
Filters, Tracking, Simulation 08749
Filters, Transfer functions, Stability 05464
Finite element method, Impedance, Eddy current 07521
Finite element method, Stress, Solar collectors 04995
Forecasting, Power systems, Loading 05023
Formal languages, Protocols, Validation, Grammars, Dissertation 02883
Gas lasers, Modulation, Frequency, Coupling 09007
Geology, Remote sensing, Thermal variables measurement, Surface properties 02179
Geology, Thickness measurement, Elasticity, Flow, Physical properties 08493
Geophysics, Data collection, Autoregressive analysis, Dissertation 02165
Geophysics, Remote sensing, Statistical analysis 02176
Glint, Electromagnetics, Scattering, Radar 04721
Gunn diodes, Field effect transistors, Integrated circuits, Dissertation 01259
Heating systems, Solar energy, Electric power generation 01826
Hierarchies, Local area networks, File management, Parameter estimation 04579
Hydrodynamics, Beams, Kinematics, Flow of gases 08287
Hydroelectric power generation, Energy storage, Compressed air equipment 04952
Image processing, Coding, Data compression 08942
Image processing, Computed tomography, Operators, Attenuation, Cameras 03667
Image processing, Filters, Integrated circuits, Ghost canceller, Televisions 01391
Image processing, Geography, Filtering, Satellite communications, Algorithms 02166
Image processing, Optical communications, Modulation, Crystals, Converters 07311
Image processing, Pattern recognition, Spectral analysis, Dissertation 03979
Image processing, Pattern recognition, Subpixel analysis 00539
Image processing, Pattern recognition, Surface texture 02170
Image processing, Restoration, Dissertation 08934
Image processing, Segmentation 05658
Image processing, Signal to noise ratio, Robustness, Distributions 06332
Imaging, Lasers, Radar 07867
Induction motors, Electric variables measurement, Rotors, Numerical analysis 04872
Induction motors, Loading, Validation, Dissertation 03275
Induction motors, Performance, Testing, Wanlass configuration 04880
Induction motors, Rotors, Generators, Magnetic variables measurement 04871
Induction motors, Stators, Airgap 03283
Information processing, Distributed systems, Communication networks, Protocols 06013
Integrated circuits, Fault detection, Simulation, Computer aided design 07105
Integrated circuits, Metal oxide semiconductors 05928
Integrated circuits, Pattern recognition, Inspection, Algorithms, Vision 04503
Integrated circuits, Simulation, Schottky barriers, Diodes, Gallium arsenide 01145
Integrated circuits, Structural analysis, Design, Simulation, Semiconductors 04364
Interference, Channels, Coding, Transmission 07926
Interference, Signal processing, Televisions, Data bases, Channels 01392
Internal combustion engines, Combustion, Compression testing, Fuels 04860
Josephson junctions, Waveforms, Superconductivity 04163
Large scale integration, Circuitry, Bipolar devices, Optimization, Oxidation 06045
Large scale integration, Integrated circuits, Simulation, Memory 04458
Lasers, Error, Disks, Magnetic variables control, Standards 05860
Lasers, Satellites, Instrumentation, Noise 09035
Lattices, Filters, Parametrization 07969
Learning, Neural systems 05319
Loading, Stability, Power systems 06604
Local area networks, Architecture, Control systems, Data communications 00139
Local area networks, Channels, Performance, Circuitry, Protocols 07930
Local area networks, Performance, Delay, Protocols, Standards 06256
Local area networks, Protocols, Validation 04637
Locomotives, Drives, Adhesion, Transmission systems 04870
Logic circuits, Error correcting codes, Boolean algebra, Fault tolerance 02837
Logic circuits, Noise 06035
Machine tools, Tracing, Servomechanisms, Economics, Reliability 03762
Machinery, Rotors, Synchronization, Torque, Harmonics 00067
Machinery, Synchronization, Perturbation, Reduction 04866
Magnetic fields, Electric arcs, Switching, Prediction 06811
Magnetohydrodynamics, Generators, Boundary layers 04969
Magnetohydrodynamics, Generators, Combustion, Heat transfer, Boundary layers 06626
Magnetohydrodynamics, Generators, Power plants 08283
Manipulators, Robots, Optimal control 05179
Mapping, Distributed systems, Security, Stability, Organization and methods 06098
Markov processes, Performance, Buses, Multiprocessors, Architecture 05386
Materials planning and control, Surge arresters, Thermal variables measurement 00103
Matrices, Robustness, Electric power generation, Dynamics, Controllers 04955
Metal oxide semiconductors, Current, Conductance 09216
Metal oxide semiconductors, Field effect transistors 04390
Metal oxide semiconductors, Field effect transistors, Conductance, Insulators 01189
Metal oxide semiconductors, Field effect transistors, Current voltage 05944
Metal oxide semiconductors, Field effect transistors, Electrons 04416
Metal oxide semiconductors, Field effect transistors, HP-SPICE 05945
Metal oxide semiconductors, Interfaces, Contacts, Electrical resistivity 02857
Metal oxide semiconductors, Logic circuits, Reliability, Fault tolerance 09205
Metal oxide semiconductors, Transistors, Circuitry, Inverters, Data bases 01184
Metal oxide semiconductors, Transistors, Mirrors, Deformation 07326
Meteorology, Magnetic variables measurement, Thermodynamics 05366
Meteorology, Measurement, Distribution, Statistical analysis, Attenuation 04819
Meteorology, Optics, Radiation, Astronomy, Refraction 08700
Microcomputers, Simulation, Seismology, Signal processing, Transmission 05365
Microelectronics, Fabrication, Computer aided design, MINIMOS 09257

Modeling, (continued)
- Microelectronics, Logic circuits, Routing ... 02843
- Microprocessors, Josephson junctions, Circuitry, Transmission lines ... 04294
- Microprogramming, Signal processing, Scheduling, Resource management ... 06321
- Microwave devices, Circuitry, Fabrication, Computer aided design ... 06461
- Microwave devices, Frequency, Channels, Modems, Performance ... 09560
- Microwaves, Electromagnetic waves, Wave propagation ... 08084
- Microwaves, Remote sensing, Agriculture ... 05350
- Military aircraft, Speech recognition, Man machine interactions, Simulation ... 04691
- Military, Missiles, Tracking ... 07860
- Millimeter waves, Wave propagation, Atmospheric conditions, Attenuation ... 08050
- Missiles, Filters, Gravity, Military engineering, Trajectories ... 00499
- Modules, Large scale systems, Artificial intelligence, Optimization ... 00612
- Monte Carlo method, Metal oxide semiconductors, Silicon, Electrons ... 05955
- Motors, Controllers, Frequency, Thermal variables control, Voltage ... 00075
- Motors, Electric vehicles, Propulsion ... 06530
- Motors, Loading, Dynamics, Electric power generation, Numerical analysis ... 06521
- Music, Sound synthesis, Spatial processing ... 01476
- Navigation, Communications, Wave propagation ... 06279
- Networks, Access, Transmission ... 03155
- Networks, Telecommunications, Transmission, Planning ... 09305
- Neurophysiology, Current, Dipoles, Generators, Simulation ... 08638
- Noise, Approximations, Detection, Optimization, Numerical analysis ... 06312
- Noise, Image processing, Radar, Remote sensing ... 04718
- Noise, Signal detection, Restoration ... 03121
- Nondestructive testing, Inspection, Materials testing, Transducers ... 02665
- Nondestructive testing, Transducers, Electric variables control ... 07511
- Nuclear power plants, Estimation, Control systems, Optimization ... 03346
- Nuclear power plants, Nuclear reactors, Loading, MAXI-LILLIPUT ... 08322
- Nuclear reactors, Stochastic processes, Kinematics, Noise, Numerical analysis ... 04978
- Nuclear reactors, Thermal variables measurement ... 03347
- Numerical analysis, Differential equations, Photodiodes, Noise, Voltage ... 03924
- Numerical analysis, Partial differential equations, Semiconductors ... 04363
- Optical communications, Channels, Coupling, Amplitude, Signal to noise ratio ... 01331
- Optical communications, Signal processing, Weighting, Integrals ... 04562
- Optics, Tracking, Position control ... 02563
- Optimization, Nuclear power plants, Loading, Control systems ... 06658
- Oscillation, Inverters ... 02417
- Oscillators, Signals, Modulation ... 01557
- Packet switching, Circuitry, Local area networks, Integrated systems ... 02992
- Packet switching, Traffic, Communication networks, Speech transmission ... 07954
- Petrochemical industry, Software packages, Data communications, OGRE® ... 07834
- Photoconductivity, Imaging, Gating ... 05584
- Photoelasticity, Stress, Parameter estimation, Light, Three dimensionality ... 00262
- Photovoltaics, Semiconductors, Electrodes, Energy conversion, Dissertation ... 05607
- Pipelines, Flow, Computers, Perturbation, Dissertation ... 08721
- Plasmas, Erosion, Switches, Current voltage, Impedance ... 06629
- Plasmas, Ionosphere, Wave propagation, Transmitters, Heterodyne reception ... 07072
- Poisson processes, Communication networks, Signal transmission ... 01290
- Power systems, Electric variables control ... 04958
- Power systems, Planning, Loading, Control ... 08344
- Power systems, Stability ... 06605
- Power systems, State estimators, Debugging ... 04948
- Precision engineering, Computer aided design, Metal oxide semiconductors ... 05946
- Precision engineering, Instrumentation, Thermal variables measurement ... 03418
- Pressure, Transducers, Field effect transistors, Noise, Scaling ... 07505
- Probability, Reliability, Electric power generation, Failure, Markov processes ... 03405
- Probes, Filtering, Error, Noise ... 09542
- Probes, Rings, Magnetic variables measurement, Numerical analysis ... 07523
- Process control, Metal oxide semiconductors, Bipolar devices ... 04511
- Propellants, Spacecraft, Aluminum oxide, Flow, Rockets ... 03642
- Protocols, Communication networks, Satellite communications, Channels, Traffic ... 01576
- Pulse code modulation, Televisions, Silicon, Structural analysis ... 09400
- Queueing theory, Ordinary differential equations, Communication networks ... 04532
- Radar, Estimation, Interference, Satellite communications, Algorithms ... 06302
- Radiation, Broadcasting, Buildings, Scattering, Frequency ... 06407
- Refrigeration, Cryogenics, Heat exchangers, Performance ... 07444
- Relaxation, Dielectricity, Fluoride, Bridges, Dielectricity ... 01104
- Remote sensing, Amplitude, Turbulence, Spectral analysis, Wind ... 08001
- Remote sensing, Meteorology, Wave propagation, Project engineering ... 02270
- Robots, Capital investment, Flexible manufacturing systems ... 08564
- Robots, Control systems, Asymptotic behavior, Manipulators ... 03600
- Robots, Distributed systems, Aircraft, Guidance and control systems ... 00441
- Robots, Lasers, Vision, Scanning, Control systems ... 07430
- Robots, Manipulators, Controllers, Optimization, Dissertation ... 03610
- Robots, Programming, Computer aided control, Flow, Systems development ... 00438
- Robots, Velocity control, Kinematics ... 03611
- Rotors, Aerodynamics, Darrieus rotors ... 03268
- Rotors, Winding, Flow of gases, Calibration, Thermal variables measurement ... 08134
- Routing, Circuitry, Topology, Research and development, Dissertation ... 02840
- Satellite communications, Architecture, Identification, Protocols ... 02071
- Satellite communications, Channels, Performance, Signal processing ... 07932
- Satellite communications, Optics, Data transmission, Performance, Coding ... 07964
- Satellite communications, Simulation, Networks, Optimization, Protocols ... 04614
- Satellites, Broadcasting, Televisions, Planning, Research and development ... 06171
- Satellites, Position control, Atmospheric conditions ... 07064
- Scattering, Tracking, Signal processing, Waves ... 04810
- Scattering, Wave propagation, Inspection, Ultrasonics, Elastic waves ... 01973
- Scattering, Wave propagation, Surface properties ... 08019
- Schottky diodes, Current ... 04383
- Schottky diodes, Leakage current, Current voltage ... 07551
- Semiconductor lasers, Noise ... 07383
- Semiconductors, Field effect transistors, Bipolar operations ... 01179
- Semiconductors, Field effect transistors, Fabrication, Optimization ... 04422
- Semiconductors, Solar cells, Boundary value problems, Simulation ... 07264
- Sensitivity, Biomedical engineering, Cardiovascular system ... 03678

Modeling, (continued)
- Sensors, Inductance, Position control ... 075
- Signal detection, Noise, Robustness ... 015
- Signal processing, Circuitry, Frequency, Noise, Covariance ... 079
- Signal processing, Magnetic fields, Flux, Induction machines, Damping ... 032
- Signal processing, Noise, Data transmission ... 079
- Signal transmission, Resonators, Parameter estimation, Mirrors, Lasers ... 057
- Signals, Converters ... 055
- Signals, Segmentation, Time series, Algorithms ... 079
- Silicon, Logic circuits, Bipolar devices, Thermal variables measurement ... 028
- Silicon, Photodiodes, Arrays, Breakdown ... 088
- Simulation, Atmospheric conditions, Geophysics, Plasmas ... 005
- Simulation, Circuitry, Transformers, Magnetization, Structural analysis ... 010
- Simulation, Control systems, Dynamics, Electronic equipment, Problem solving ... 035
- Simulation languages, Spectral analysis, Signals, Satellite communications ... 079
- Simulation, Loops, Conductors, Performance, Current ... 038
- Simulation, Loops, Electromagnetics, Control systems, Hysteresis ... 010
- Simulation, Turbogenerators, Stability ... 017
- Software development, Magnetic variables measurement, Electromagnets ... 075
- Solar cells, Current, Short circuits ... 072
- Solar cells, Current voltage, Quality control, Least squares estimation ... 056
- Solar collectors, Heat transfer ... 033
- Solar collectors, Heat transfer, Radiative transfer ... 033
- Solar collectors, Performance, Software development, TRNSYS ... 083
- Solar collectors, Radiative transfer, Flux ... 033
- Solar energy, Wind, Mixing, Convection, Algorithms ... 018
- Sonar, Remote sensing, Detection, Acoustics ... 063
- Sonar, Underwater technology, Image processing, Navigation, Marine engineering ... 078
- Sorting, Integrated circuits, Energy consumption, Algorithms, Computation ... 060
- Space technology, Satellites, Retrieval, Torque control ... 036
- Spacecraft, Damping, Vibration, Acoustic variables measurement ... 085
- Spacecraft, Data processing, Organization and methods, Space Shuttle ... 052
- Spacecraft, Emissions, Sheath ionization ... 069
- Spacecraft, Flight control systems, Simulation, Wind, Measurement ... 052
- Spacecraft, Propulsion, Measurement, Simulation, Flow ... 082
- Spacecraft, Solar energy, Structural analysis, Dynamics, Perturbation ... 052
- Speech recognition, Vocal tract frequency response, Curve fitting ... 046
- Speech synthesis, Linguistics, Pressure, Velocity, Dissertation ... 062
- Speech synthesis, Multiplexing, Delay, Simulation, Packet switching ... 079
- Speech transmission, Packet switching, Modulation, Communication networks ... 015
- Stability, Waveform generators, Oscillators, Biology ... 055
- Standby systems, Redundancy, Switching, Reliability, Numerical analysis ... 085
- Stators, Impedance, Armatures, Coil winding machines ... 065
- Steam turbines, Automatic control ... 065
- Structural analysis, Magnetic variables control, Circuitry, Graphs, Hysteresis ... 019
- Surface acoustic waves, Filters, Transducers, Design ... 051
- Surface properties, Computer aided design, Metal oxide semiconductors ... 075
- Synchronization, Control systems, Signal processing, Noise, Simulation ... 031
- Synchronous machines, Electric variables control, Short circuits ... 048
- Systems analysis, Electromagnetic waves, Circuitry, Power systems ... 017
- Telecommunications, Planning, Developing countries, Government policies ... 060
- Telecommunications, Radios, Artificial intelligence, Communication networks ... 012
- Telecommunications, Speech transmission, Data transmission, Dissertation ... 015
- Televisions, Cables, Economics, Pricing, Dissertation ... 029
- Thin films, Magnetoresistors, Dispersion, Numerical analysis ... 075
- Thin films, Semiconductors, Solar cells, Current voltage, Numerical analysis ... 072
- Time measurement, Computer aided design, Integrated circuits ... 076
- Time measurement, Delay, Logic circuits ... 059
- Transducers, Simulation, Finite element method, Dynamics, Electromagnetics ... 065
- Transformers, Control systems, Electric power generation, Flow, Voltage ... 091
- Transformers, Leak detection ... 058
- Transforms, Imaging, Coding ... 056
- Transistors, Current, Parameter estimation ... 011
- Transistors, Current voltage, VMOS ... 059
- Transistors, Gallium arsenide, Switching, Structural analysis, Performance ... 075
- Transistors, Metal oxide semiconductors, CMOS latch-up ... 059
- Transmission lines, Circuitry, Current voltage, Impedance, Simulation ... 033
- Transmission lines, Dynamics, Loading, Structural analysis ... 090
- Transmission lines, Electric variables control ... 049
- Transmission lines, Impedance, Attenuation, Programming languages ... 074
- Transmission lines, Surge arresters, Lightning, Switches, Corona ... 010
- Transportation, Control systems, Frequency, Signals, Optimization ... 071
- Turbulence, Electromagnetics, Wave propagation, Algorithms, Simulation ... 032
- Utilities, Electric power generation, Reliability, Power failure ... 082
- Voltage, Power systems ... 082
- Waveguides, Radiative loss ... 026
- Wind turbines, Aerodynamics ... 017
- Wind turbines, Generators, Reliability, Electric power generation, Energy ... 048
- Wind, Velocity, Meteorology, Turbulence, Electric power generation ... 053

Modems,
- Amplifiers, Delay, Input output ... 038
- Circuitry, Data transmission, Shift registers, Signal processing ... 030
- Communication networks, Controllers, Circuitry, Automation ... 030
- Communication networks, Management information systems, Telephones, Diagnostics ... 029
- Data communications, Electronic mail, Technology, Research and development ... 030
- Data communications, Networks, Transmission, Reliability ... 046
- Data transmission, Communication networks, Channels, Leased lines ... 015
- Data transmission, Noise, Signal processing, Error, Algorithms ... 079
- Filters, Signal processing, Numerical analysis, Performance, Interference ... 079
- Microprocessors, Signal processing, Filtering ... 023
- Microwave devices, Frequency, Channels, Modeling, Performance ... 095
- Office automation, Security, Communication networks, Controllers ... 054
- Parallel processing, Approximations, Filters, Microwave devices ... 031
- Performance, Design, Data transmission, Synchronization, Delay ... 062
- Personal computers, Videotex, Banking, Home banking ... 094
- Satellite communications, Speech transmission, Converters, Channels ... 078

ns, (continued)
al transmission, Frequency, Modulation, Feedback, Controllers ... 07824
al transmission, Modulation, Circuitry ... 03197
lation, Communication networks, Interactive systems, Minicomputers ... 07825
ech transmission, Coding, Algorithms, Amplitude, Dissertation ... 09477
communications, Communication networks, Access, Economics ... 02306
communications, Repair, Artificial intelligence, Logic, Integrated systems ... 01462
otex, Integrated circuits, Switching, Capacitance, Personal computers ... 02915
ar design,
acitance, Inductance, Electric variables measurement, Integrated circuits ... 06082
uitry, Dividers ... 02456
tric fields, Photovoltaics, Solar cells ... 08328
umentation, Assembling, Packaged components ... 06709
grated circuits, Filters ... 08747
erials planning and control, Solar cells, Semiconductors ... 00797
cess control, Production control, Machining centers, Input output ... 00447
tocols, Packet switching, Speech transmission ... 09455
ellite communications, Data transmission, Multiplexing, Time series ... 06194
plines, Microstrips, Antennae ... 06498
e processing, Packaged components, Semiconductors, Integrated circuits ... 01280
lation,
plifiers, Harmonics, Nonlinear systems, Computer aided analysis ... 07192
plifiers, Transient response, Performance ... 02433
plifiers, Varactors, Diodes, Tuning, Receivers ... 07198
plitude, Distortion, Filters, Performance ... 06387
plitude, Frequency, Radio communications, Testing ... 09326
plitude, Image processing, Ultrasonics, Acoustooptics, Transducers ... 06386
plitude, Lasers, Computer aided control ... 07427
plitude, Power, Amplifiers, Voltage, Radio frequency ... 08812
plitude, Signal processing, Codes ... 07992
plitude, Signal to noise ratio, Electromyography ... 00523
plitude, Signals, Frequency ... 03196
alog to digital converters, Interference, Spread spectrum communications ... 02454
ays, Interference, Signal to noise ratio, Frequency ... 03251
ays, Random processes, Transmission, Signal to noise ratio, Relays ... 02901
ndwidths, Current voltage, Power systems, Environmental protection, Switches ... 06559
ndwidths, Inverters, Buses, Capacitors, Harmonics ... 04936
ndwitchs, Motors, Switches, Inverters ... 04884
padcasting, Satellite communications, Signal processing, Receivers ... 01381
cuitry, Communication networks, Attenuation, Diodes, Volterra series ... 08774
ding, Channel capacity, Pulse generation, Channels, Fiber optics ... 01584
ding, Signal processing, Integrated circuits, Filters, Televisions ... 02946
ding, Speech transmission, Unity-bit coders ... 04795
ding, Voltage, Spectral analysis, Data transmission, Data transmission ... 06388
mmunication networks, Access, Synchronization, Error, Signal to noise ratio ... 03194
mmunications, Channels, Dissertation, Optical channels ... 09334
mmunications, Fiber optics, Integrated circuits, Product development ... 01356
mmunications, Noise, Simulation, Dissertation ... 04733
rrent, Semiconductor lasers, Noise, Acoustic variables measurement ... 09002
rrent voltage, Power supply, Inverters, Induction motors, Drives ... 08151
ata communications, Signal transmission, Speech recognition, Simulation ... 06237
modulation, Frequency, Signal processing, Detection, Algorithms ... 07985
tection, Minimization, Vertices, Algorithms, Numerical analysis ... 06392
electrics, Waveguides, Interferometers, Millimeter waves, Integrated circuits ... 04833
ffraction gratings, Coding, Optical analysis ... 00880
oping, Field effect transistors, Voltage, Heterostructures ... 02770
ve lasers, Pulse generation, Chirp ... 07352
ectromagnetic fields, Wave propagation, Rotating bodies, Waveguides ... 01664
ectromagnetics, Diffraction, Coding, Lattices, Dissertation ... 08005
ectrooptics, Heterostructure lasers, Simulation, SPICE ... 08997
ror, Probability, Phase shift keying, Noise, Communication networks ... 06177
ar infrared, Lasers, Microwaves, Irradiation, Refractive indices ... 07340
eedback, Radios, Receivers, Noise, AM ... 02909
eedback, Refractive indices, Acoustics, Lasers ... 00967
eedback, Transient response, Semiconductor lasers, Communications ... 04022
ber optics, Channels, Bandwidths, Receivers, Sensitivity ... 01373
ber optics, Channels, Modulation, Pulse generation, Bandwidths ... 01583
eld effect transistors, Logic circuits, Voltage ... 01206
lters, Quantization, Signals ... 02358
lters, Receivers, Bandwidths, Noise, Error ... 02351
equency, Chirp, Dye lasers ... 07408
equency, Coding, Phase shift keying ... 06365
equency, Noise, Spectral analysis ... 07979
equency, Satellite communications, Broadcasting, Televisions ... 02976
equency, Signal processing, Gaussian processes, Noise, Numerical analysis ... 07901
equency, Switching, Lasers, Refractive indices, Dissertation ... 06733
ain, Data communications, Spread spectrum communications ... 03187
allium arsenide, Photoconductors, Switches, Frequency, Electrooptics ... 08911
as lasers, Modeling, Frequency, Coupling ... 09007
eterostructure lasers, Connectors, Optical communications ... 09006
frared, Diodes, Transmitters, Gallium arsenide, Electrooptics ... 08919
jection lasers, Semiconductor lasers, Circuitry, Design, Communications ... 07390
jection lasers, Structural analysis, Degradation ... 05739
jection, Optimization, Transistors, Magnetic fields ... 05922
sephson junctions, Superconductivity, Tunnel junctions, Integrated circuits ... 04235
asers, Noise, Optical storage, Simulation, Semiconductors ... 09001
asers, Pumping, Optoacoustic effect, Signal processing ... 08929
asers, Resonance, Frequency, Differential equations ... 07353
asers, Signal processing, Magnetic fields, Free electron laser ... 07351
ocal area networks, Protocols, Packet switching, Performance ... 07977
oops, Quantizers, Amplitude, Phase shift keying, Verification ... 01565
agnetic fields, Feedback, Power supply, Stability ... 01875
aximum likelihood estimation, Signal processing, Noise, Frequency, Performance ... 07909
icrowaves, Communications, Synchronization, State of the art ... 06113
crowaves, Semiconductor lasers, Spectral analysis ... 05759
odeling, Image processing, Optical communications, Crystals, Converters ... 07311

Modulation, (continued)
Modems, Signal transmission, Circuitry ... 03197
MODFET, Integrated circuits, Capacitance, Bias, Transconductance ... 07609
Networks, Power systems, Damping, Simulation ... 06617
Noise, Capacitors, Metal oxide semiconductors, Carrier mobility, Oscillation ... 03895
Noise, Communications, Transmission ... 07991
Noise, Power series, Satellite communications ... 07940
Noise, Stability, Gallium aluminum arsenide, Semiconductor lasers, Dissertation ... 02596
Noise, Threshold, Amplitude, Frequency ... 03117
Nuclear quadrupole resonance, Oscillators, Regenerators, Pulse generation ... 02442
Optical communications, Channels, Signal processing, Lasers ... 07905
Optical communications, Channels, Signal processing, Pulses, Detection ... 09557
Optical communications, Image processing, Materials testing, Performance ... 07299
Optical communications, Image processing, Signal processing, Electromagnetics ... 07318
Optical communications, Image processing, Signal transmission, Input output ... 07319
Optical communications, Relaxation, Estimation, Signal processing, Waveforms ... 07310
Optical communications, Signal processing, Frame synchronization ... 07705
Optics, Pattern recognition, Performance, Optimization, Dissertation ... 05692
Optoelectronics, Integrated circuits, Bandwidths, MESFET ... 08909
Phase locked loops, Sensors, Lasers, Measurement, Image processing ... 07428
Phase shift keying, Filtering, Signal processing, Frequency, Noise ... 07989
Phase shift keying, Signal processing, Frequency, Detection, Performance ... 07987
Phase shift keying, Spread spectrum communications ... 03190
Powder metallurgy, Solenoids, Superconductors, Dissipation ... 04237
Private automatic branch exchange, Coding, Decoding, Circuitry, Codec ... 06389
Pulse generation, Accelerators, Electron beams ... 02457
Pulse generation, Noise, Signal to noise ratio ... 04800
Pulse generation, Recording systems, Magnetic tape, Velocity, Signal processing ... 01981
Pulse generation, Signal processing ... 07212
Pulses, Circuitry, Current, Harmonics ... 01780
Pulses, Drives, Control systems, Inverters, Read only memory ... 03307
Pulsewidth modulation, Analog to digital converters, Controllers, Power supply ... 02453
Quadrature rules, Equivalence, Amplitude, Signal transmission ... 04775
Radar, Image processing, Remote sensing, Wave propagation, Water depth ... 01525
Radio communications, Mobile systems, Transmission ... 09315
Radio communications, Mutlipath propagation, Microwave devices, Technology ... 06108
Radio communications, Signal detection, Filtering, Noise ... 03189
Radio frequency, Plasmas, Power systems, Chemical variables measurement ... 00737
Radios, Performance, Statistical analysis, Signal to noise ratio ... 09311
Radios, Signal processing, Probability, Wave propagation, Frequency ... 01302
Recording systems, Audio visual systems, Quality control, Frequency ... 02961
Relaxation, Oscillation, Aluminum gallium arsenide, Semiconductor lasers ... 04014
Reliability, Broadcasting, Receivers, Satellite communications, Converters ... 02990
Satellite communications, Channels, Coding, Noise, Performance ... 09558
Satellite communications, Channels, Data transmission, Speech transmission ... 01412
Satellite communications, Interference, Research and development ... 09407
Satellite communications, Performance, Error, Interference ... 07790
Satellite communications, Signal processing, Distortion ... 07792
Satellite communications, Signal processing, Transformations, Coding ... 01291
Satellite communications, Software packages, Simulation, Channels, Coding ... 07800
Semiconductor lasers, Circuitry, Modeling, Packaged components ... 00963
Semiconductor lasers, Gallium aluminum arsenide, Frequency, Noise ... 07384
Semiconductor lasers, Tuning, Frequency, Power ... 05738
Signal detection, Channels, Phase shift keying, Receivers, Error ... 01558
Signal processing, Amplitude, Weighting, Phase shift keying ... 07981
Signal processing, Data transmission, Power supply, Pulse generation ... 04747
Signal processing, Decoding ... 06378
Signal processing, Filters, Converters, Simulation, Performance ... 02366
Signal processing, Lasers, Videodisks, Coding ... 02599
Signal processing, Linear systems, Parallel processing, Filtering, Dissertation ... 02362
Signal processing, Pattern recognition, Testing, Frequency, Algorithms ... 01540
Signal processing, Pulses, Waves, Bipolar devices, Polynomials ... 03193
Signal processing, Radio communications, Noise, Atmospheric conditions ... 04541
Signal processing, Radio frequency, Bandwidths, Multiplexing, Dissertation ... 07972
Signal processing, Random variables, Spectral analysis, Frequency ... 07973
Signal processing, Receivers, Noise, Simulation ... 09598
Signal processing, Speech transmission, Radio communications ... 03199
Signal processing, Video systems, Recording systems, Integrated circuits ... 02937
Signal transmission, Analytic signals, Functions, Distributions ... 04739
Signal transmission, Channels, Coding ... 06373
Signal transmission, Filtering, Integral equations, Simulation, Broadcasting ... 07976
Signal transmission, Frequency, Feedback, Controllers, Modems ... 07824
Signal transmission, Reliability, Amplifiers ... 04534
Signals, Channels, Tracking, Delay ... 07915
Signals, Costas loops ... 01330
Signals, Filtering ... 06394
Signals, Filters, Dissertation ... 01600
Signals, Filters, Frequency shift keying ... 06325
Signals, Oscillators, Modeling ... 01557
Software packages, Simulation, Signal transmission, Radios, Fading ... 07683
Spectral analysis, Density, Phase shift keying, Signal processing ... 09594
Spectral analysis, Signals, Waveforms, CPFSK signals ... 09528
Speech recognition, Radios, Mobile systems, Satellite communications ... 04799
Speech recognition, Signal transmission, Coding, Performance, Delay ... 07986
Speech transmission, Communications, Air traffic control ... 07687
Speech transmission, Packet switching, Communication networks, Queueing theory ... 01571
Spread spectrum communications, Access, Phase shift keying ... 09568
Spread spectrum communications, Military equipment, Satellite communications ... 05259
Switching, Waveguides, Reflection, Channels, Electrooptics, Dissertation ... 01061
Technological forecasting, Lasers, Data transmission, Fiber optics ... 01361
Telephones, Circuitry, Signal processing, Dissertation ... 04645
Thermal expansion, Dilatometers, Interferometry, Recording systems ... 08380
Time measurement, Ultrasonics, Paper industry, Signal processing ... 00345
Transducers, Acoustooptics, Switching ... 01078
Transmission, Channels, Signal reception ... 07936
Transmission, Error, Channels, Frequency shift keying ... 07935

Modulation, (continued)
- Transmission lines, Optics, Admittance, Circuitry, Numerical analysis ... 04301
- Video systems, Amplifiers, Design, Optimization ... 02919
- Waveforms, Inverters, Transformers, Voltage ... 08837
- Waveguides, Heterostructure lasers, InGaAsP ... 09115
- Waves, Pulses, Signal to noise ratio, Frequency, Loops ... 03188

Modulators,
- Alignment, Lasers, Acoustooptics ... 00856
- Electrooptics, Acoustics, Lasers, Materials testing ... 00852
- Electrooptics, Fabrication, Ferroelectrics, Lithium niobate ... 05695
- Electrooptics, Lasers, Thermal variables measurement ... 00840
- Fiber optics, Design, Fabrication ... 07730
- Frequency, Lasers, Attenuation, Acoustooptics, Heterodyne reception ... 08985
- Interferometry, Titanium lithium niobium trioxide, Waveguides, Ti:LiNbO$_3$ ... 09108
- Microwave devices, Frequency, Quadrature ... 07983
- Pulse generation, Thyristors, Switching, Inductance ... 07211
- Semiconductor lasers, Switching, Schottky TTL, Integrated circuits ... 06049
- Switches, Wave propagation, Velocity, Optics ... 08912
- Switching, Capacitors, Integrated circuits, Metal oxide semiconductors ... 09599
- Voltage, Integrated optics, Frequency, Waveguides, Semiconductor lasers ... 07754
- Waveguides, Interferometers, Electrooptics, Lithium niobate ... 00838
- Wavelengths, Fiber optics, Gyroscopes, Frequency, Signal processing ... 07747

Modules,
- Adder subtractors, Communication networks, Logic, Integrated circuits ... 05991
- Communication networks, Processors, Memory, Buses, Standards ... 05398
- Cryogenics, Receivers, Image processing, Amplifiers, Radiometry ... 03439
- Documentation, Circuitry, Loops, Receivers, Software development ... 06110
- Routing, Telecommunications, Circuitry, Traffic, Economics ... 04619

Moisture,
- Biomedical engineering, Electric variables measurement, Frequency, Bones ... 07015

Moisture control,
- Connectors, Integrated circuits, Degradation, Contacts ... 02868
- Wire processing, Stress, Thermal variables measurement, Materials testing ... 06054

Moisture measurement,
- Ageing, Polymers, Heat treatment, Transducers ... 02004
- Atmospheric conditions, Microwaves, Radiometry ... 01632
- Calibration, Thermal variables measurement, Agriculture, Dissertation ... 00362
- Flashover, Protection, Voltage, Spark gaps, Atmospheric conditions ... 00117
- Insulators, Electrolytes, Conductors ... 01755
- Integrated circuits, Packaged components, Corrosion resistance, Tungsten ... 02785
- Magnetic tapes, Friction, Wear, Temperature ... 04355
- Paper, Dielectrics, Resonance, Microwaves ... 05884
- Resonance, Infrared, Radio frequency, Refractive indices ... 01630
- Sensors, Automatic control, Ceramics, Materials planning and control ... 02005
- Sensors, Polymers, Semiconductors, Product development, Dissertation ... 01077
- Sensors, Precision engineering, Measurement errors ... 06872
- Voltage, Discharges, Insulators, Switching, Spark gaps, Pulse generation ... 01748

Molding,
- Spectroscopy, Fluorescence, Nondestructive testing, Semiconductors ... 01115

Molecular beam epitaxy,
- Aluminum indium arsenide, Heterojunctions, Bipolar transistors ... 02727
- Avalanche diodes, Superlattices, Defects, GaAs/AlGaAs ... 08868
- Bipolar transistors, Heterostructures, Fabrication, AlGaAs/GaAs ... 07573
- Electron gases, Field effect transistors, Fabrication, Heterostructures ... 09234
- Field effect transistors, Indium gallium arsenide, Beryllium, Ion implantation ... 01192
- Gallium arsenide, Heterojunctions, Gallium aluminum arsenide, Doping ... 09182
- Gallium arsenide, Heterojunctions, MESFET, Microwaves, Dissertation ... 09181
- Gallium arsenide, IMPATT diodes, Millimeter waves, Oscillation ... 04378
- Gallium arsenide, Integrated circuits, Photodiodes, Field effect transistors ... 00769
- Gallium arsenide, MESFET, Fabrication, Gates, Etching ... 09249
- Gallium arsenide, Transistors, Fabrication, Dissertation ... 05934
- Heterojunctions, Bipolar transistors, Frequency, Performance, AlGaAs/GaAs ... 07567
- Semiconductor lasers, Current density, Quantum wells, Injection ... 07388
- Semiconductors, Optics, Microwaves, III-V compounds ... 09179
- Silicon, Integrated circuits, MOSFET, NMOS ... 05978

Molybdenum,
- Electrodes, Plasmas, Current, Arcs, Magnetic fields ... 09072
- Technetium, Radioisotopes, Nuclear medicine, Generators ... 05289

Molybdenum selenide,
- Electrodes, Solar cells, Surface properties, Recombination ... 05605

Molybdenum silicide,
- Random access memory, Metal oxide semiconductors, Lasers, Redundancy ... 04504

Monitoring,
- Aerosols, Atmospheric conditions, Vapor, Satellites ... 05380
- Aircraft, Fuel systems, Water detection ... 02100
- Atmospheric conditions, Aerosols, Particles, Mass spectroscopy ... 08704
- Biomedical engineering, Electrocardiograms, Waves, Cardiovascular system ... 02150
- Biomedical engineering, Transducers, Electronic equipment, Silicon ... 06992
- Calibration, Pollutant detection, Atmospheric conditions, Gas chromatography ... 08492
- Cardiovascular system, Biomedical engineering, Technology ... 07004
- Cardiovascular system, Personal computers, Cardiac pacemakers ... 03676
- Cardiovascular system, Simulation, Fetal heart rate ... 00519
- Combustion, Microcomputers, Boilers, Power plants, Systems design ... 05005
- Controllers, Sensors, Bimorphs ... 09147
- Data communications, Communication networks, Infotron ANM-800 ... 06218
- Electric power transmission, Fault detection, Computer aided control ... 01785
- Electric power transmission, Transmission lines, Reliability, Multiprocessors ... 01736
- Environmental protection, Lidar, Aerosols, Boundary layers, Emission standards ... 02171
- Fault diagnosis, Machinery, Automatic control ... 00451
- Fermentation, Sensors, Carbon dioxide, Dissolved oxygen ... 06874
- Fermentation, Thermodynamics, Calorimetry, Saccharomyces cerevisiae ... 06711
- Frequency, Power systems ... 03406
- Gamma radiation, Detectors, Portability ... 05164
- Groundwater, Contaminants, Fiber optics, Feasibility studies ... 07017
- Image processing, Computer graphics, Displays, Controllers, Integrated circuits ... 08894
- Industrial noise, Occupational health ... 00351

Monitoring, (continued)
- Industrial plants, Instrumentation, Precision engineering, State of the art ... 03
- Instrumentation, Data collection, Radiation, Dosimetry ... 05
- Instrumentation, Nuclear reactors, Cooling systems, Radioisotopes, Sodium ... 05
- Instrumentation, Radiation, Dosimetry, Calibration ... 05
- Instrumentation, Thermal variables measurement, Sensors, Sensitivity ... 03
- Lasers, Air quality, Troposphere, Dissertation ... 05
- Lasers, Gases, Trace elements, Coal gasification ... 05
- Lasers, Tracers, Bioassays, Uranium ... 04
- Machine tools, Televisions, Computer aided control ... 08
- Machinery, Inspection, Organization and methods, Technology ... 05
- Magnetic fields, Boundary layers, Meteorology, Electric fields ... 02
- Materials testing, Mirrors ... 03
- Mathematical models, Automation, Man machine interactions, Ergonomics ... 05
- Measurement, Liquefied natural gas, Pollutant detection, Dispersion ... 00
- Medical electronics, Cardiovascular system, Computer aided analysis ... 03
- Medical engineering, Cardiovascular system, Image processing, Synchronization ... 03
- Meteorology, Aircraft, Data collection, Computer aided analysis ... 00
- Meteorology, Atmospheric conditions, Boundary layers, Wind ... 03
- Meteorology, Boundary layers, Remote sensing, Statistical analysis ... 05
- Meteorology, Hydrology, Diffusion, Radar ... 03
- Metrology, Pressure vessels, Nuclear reactors ... 00
- Multimeters, Microprocessors, Cost benefit analysis ... 01
- Networks, Telecommunications, Reliability ... 01
- Nuclear energy, Telemetry, Remote sensing, Fiber optics, Prototyping ... 02
- Nuclear power plants, Control systems, Fault detection ... 05
- Nuclear power plants, Electric power generation, Philadelphia ... 00
- Nuclear power plants, Security, Technology, Thermodynamics, Reliability ... 03
- Nuclear reactors, Control systems, Fault detection ... 04
- Nuclear reactors, Electric power generation, Technology ... 06
- Nuclear reactors, Strain measurement, Transducers ... 08
- Numerical analysis, Weighting, Least squares estimation ... 00
- Operations, Cableway systems, Automatic control ... 03
- Performance, Networks, Switching, Intelli-Max ... 07
- Power plants, Electric power generation, Reliability, Fault detection ... 04
- Power supply, Security, Computer aided control, Online systems ... 01
- Power systems, Transformers ... 09
- Power systems, Waveforms, Distortion ... 01
- Project engineering, Gauges, Dredgers ... 00
- Propulsion, Aircraft engines, Microprocessors ... 00
- Pumping stations, Water treatment plants, Control systems, Reservoirs ... 08
- Radar, Online systems, REDICAL ... 07
- Radiation, Dosimetry, Plastics, Structural analysis ... 03
- Radiation, Dosimetry, Portability ... 05
- Remote sensing, Acoustic transducers ... 01
- Remote sensing, Canada, Land resources, Resource management ... 00
- Satellites, Remote sensing, Developing countries ... 021
- Security, Control systems, Electric power generation ... 04
- Semiconductors, Energy conversion, Fiber optics, Vibration, Thin films ... 07
- Sewage treatment, Automation, France, Radar ... 047
- Signal processing, Electronic equipment, Acoustic emissions, Simulation ... 01
- Spectrometers, Chemical variables measurement, Plasmas, Radiative transfer ... 04
- Telecommunications, Transborder data flow, Standards, Security ... 061
- Thermal variables measurement, Nuclear reactors, PWR ... 04
- Underwater technology, Dredgers, Process control, Position control ... 005
- Uranium, Pollutant detection, India, Toxicity ... 035
- Voltage, Magnetic fields, Computer aided control, Microprocessors ... 050
- Wastes, Radioisotopes, Nuclear power plants, Online systems ... 049
- X-rays, Radiation, Radioactive emissions, Microwaves ... 050

Monte Carlo method,
- Capacitors, Switching, Filters, Design, Sensitivity ... 071
- Electrons, Thin films, Diffusion, Modeling, Dissertation ... 012
- Electrons, Transport properties, Semiconductors, Dissertation ... 011
- Integrated circuits, Computer aided design, Fault tolerance ... 059
- Integrated circuits, Signal processing, Fault tolerance, CMOS, Crosstalk ... 089
- Josephson junctions, Logic circuits, Statistical analysis, Integrated circuits ... 040
- Modeling, Metal oxide semiconductors, Silicon, Electrons, Structural analysis ... 059
- Noise, Microwaves, Soil science, Moisture measurement, Radiometry ... 034
- Nuclear medicine, Imaging, Scintillation Cameras ... 053
- Nuclear physics, Gases, Electron conductivity ... 018
- Semiconductors, Equations of motion, Numerical analysis ... 011
- Simulation, Current voltage, Field effect transistors, MESFET ... 027
- Simulation, Electric power generation, Loading, Forecasting, SAM ... 049
- Simulation, Electric variables control, Current voltage ... 065
- Simulation, Heterostructures, Electrical conductivity, GaAs-GaAlAs ... 059
- Simulation, Integrated circuits, Masks, Implants ... 060
- Simulation, Radar, Signal detection ... 078
- Simulation, Radio communications, Signal transmission ... 061
- Simulation, Scintillators, Performance ... 051
- Simulation, Weapons, Missiles, Position control ... 069
- Theoretical analysis, Lasers, Remote sensing, Oceanography ... 074
- Transport properties, Gallium arsenide, Diodes, Millimeter waves ... 043

MOSFET,
- Aluminum, Polysilicon, Fabrication, Heat treatment ... 076
- Indium phosphide, Insulators, Channels, Transport properties ... 075
- Integrated circuits, FIPOS, Silicon, Fabrication, Microelectronics ... 076
- Inverters, Switching, Frequency, Temperature, Silicon ... 076
- Power transistors, Current voltage ... 075
- Power transistors, Fabrication, Design, Integrated circuits ... 075
- Power transistors, Frequency, Oscillation, Polysilicon ... 075
- Scanning electron microscopy, Inspection, Passivation, Layers ... 076
- Transistors, Design, Frequency, Capacitance ... 0761
- Transistors, Noise, Carrier mobility, Voltage ... 0761
- Transistors, Silicon, Thin films, Current voltage, Carrier mobility ... 075

Mossbauer spectroscopy,
- Alloys, Cobalt, Crystal defects, Radiation ... 0037

or vehicle suspension,
agnetic variables control, Electric vehicles, Service vehicles 00618
or vehicles,
coustics, Transducers, Control systems, Automation, Economics 00622
erodynamics, Product development, Transportation, Dissertation 02330
adio communications, Systems design, Signal processing 07677
ansmission systems, Optimal control 05428
ors,
rmatures, Frequency, Filters, Performance, Current voltage 08167
reakdown, Voltage, Winding, Power plants 08149
apacitors, Voltage 08161
ement industry, Technology, Drives 03400
ement, Production, Electronic equipment, Grinding, Computer aided control 03394
ircuitry, Generators 03274
ircuitry, Thyristors, Voltage, Control systems 07182
omponents, Assembling, Automation, Production control 03615
omputer aided control, Metal oxide semiconductors, Field effect transistors 01686
ontacts, Thermodynamics, Heat transfer, Stress, Finite element method 07232
ontrollers, Frequency, Comparators, Stability 06537
ontrollers, Frequency, Thermal variables control, Voltage, Modeling 00075
ontrollers, Phase locking, Comparators 03269
urrent voltage, Protection, Cables, Capacitors, Impedance 08143
esign, Stress, Electric fields, Book 08150
issipation, Voltage, Frequency, Current, Control systems 00071
rives, Energy conservation, Frequency, Control systems 06542
rives, Position control, Simulation 00069
rives, Velocity control 06545
ynamics, Controllers, Voltage 03297
ynamics, Mathematical models 06535
Electric variables control, Torque, Reliability, Maintenance, Pipe cage motors 06532
Electric vehicles, Propulsion, Simulation 06530
Electromagnetic fields, Compressors, Refrigeration, Systems design 01683
Energy conservation, Repair, Reliability 08159
Excitation, Performance, Control systems, Circuitry 08152
Flux, Hysteresis, Coil winding machines 00076
Generators, Winding, Fault detection 08176
mpedance, Inductance, Thyristors, Control systems 06539
nduction motors, Control systems, Power systems, Frequency 08162
nduction motors, Current, Vibration 08166
nduction motors, Design, Optimization 06541
nduction motors, Drives, Electric variables control, Microprocessors 06528
nduction motors, Drives, Power supply, Current voltage, Modulation 08151
nduction motors, Drives, Torque, Frequency, Inverters 08158
nduction motors, Drives, Velocity control 03277
nduction motors, Loading, Modeling, Validation, Dissertation 03275
nduction motors, Starters, Control systems, Voltage, Energy conservation 06536
nduction motors, Thermal insulation, Electric variables control 08146
nduction motors, Transients, Simulation, Analog systems 01679
nduction motors, Voltage, Control systems, Thyristors 08155
nduction motors, Voltage, Frequency measurement 08153
nduction motors, Voltage, Resistors, Transformers 08160
nduction motors, Winding, Voltage, Current 06534
ntegrated circuits, Controllers, Noise, Signal processing, Recording systems 01689
Loading, Modeling, Dynamics, Electric power generation, Numerical analysis 06521
Magnetic variables measurement, Surface properties, Probes, Testing 06527
Mathematical models, Finite element method, Communication networks, Simulation 01682
Missiles, Guidance and control systems, Pulses, Optimal control, Algorithms 03630
Photovoltaics, Inverters, Switching, Harmonics, Voltage 08874
Research and development, Electric vehicles, Propulsion, Energy consumption 03270
Rocket engines, Chemical variables measurement, Structural analysis 05268
Rocket engines, Supersonic flow, Exhaust gases, Design, Nozzles 05269
Rotors, Conductors, Metals, Numerical analysis, Testing 07228
Rotors, Energy recovery, Drives, Control systems, Electric variables control 06526
Rotors, Torque, Loading, Circuitry, Performance 04879
Servomechanisms, Velocity, Voltage, Nondestructive testing, Electromotive force 00074
Signal converters, Logic circuits, Frequency, Power supply, Thyristors 00072
Spacecraft, Nozzles, Design, Vibration, Materials testing 04878
Stepper motors, Excitation, Damping, Resonance 08163
Stepping motors, Automatic control, Motorola MC68701 01684
Stepping motors, Coil winding machines, Drives, Automatic control 04877
Superconductivity, Refrigeration, Solenoids, Cryostats 04291
Superconductivity, Solenoids, Magnets, Cryogenics 04263
Switches, Pulse generation, Bandwitchs, Modulation, Power systems 04884
Switching, Capacitors, Protection, Insulators, Winding 08164
Synchronization, Magnetic variables measurement, Simulation, Performance 06524
Synchronization, Permanent magnets 08168
Synchronous machines, Drives, Velocity control 08154
Synchronous machines, Pumps, Compressors, Electric power transmission 03278
Synchronous motors, Microprocessors, Signal processing, Rotors, Velocity, Noise 00079
Synchronous motors, Smoothing, Coil winding machines, Current 01714
Technology, Velocity control, Energy conservation 06531
Thyristors, Current voltage, Harmonics, Converters, Power supply 06514
Tolerance, Classification, Standards 04882
Transportation, Research and development, Electrical engineering 06544
Valves, Nuclear power plants, Control systems, Circuitry, Reliability 08144
Viscosity, Friction, Automotive engineering, Brakes, Numerical analysis 03286
Voltage, Current, Control systems, Filters, Electrical conductivity 01751
ltiplexers,
Arithmetic, Coding 05508
Bipolar devices, Integrated circuits, Optical communications, Optimization 09282
Charge coupled devices, Arrays, Signal processing 09270
Data transmission, Underwater technology, Unmanned vehicles, Sensors 07043
Fabrication, Amplifiers, Field effect transistors, ISFET 05517
Fiber optics, Optical communications, Lenses, Fabrication, Design 09366
Gallium arsenide, Electrooptics, Transmitters, Semiconductor lasers 07292
Programmable controllers, Channels, Logic, ES computer 06896

Multiplexing,
Access, Local area networks, Interconnection, SILK 04634
Aircraft, Data transmission, Routing, Channels, Data compression 04657
Aircraft engineering, Military aircraft, Buses, Maintenance 02116
Architecture, Communication networks, Integrated systems, Modules, Mexico 00148
Bandwidths, Radio frequency, Channels, Signal processing, Dissertation 07972
Buses, Data transmission, Data bases, Fiber optics, Channels 01364
Channels, Data transmission, Buses, Fiber optics 01363
Charge coupled devices, Infrared, Photodiodes, Mathematical models 07262
Circuitry, Signal processing, Digital systems, Filters, Synchronization 09550
Coding, Teletext, Broadcasting, Music, Data transmission 02959
Communication networks, Design, Packet switching, Circuitry, Routing 06255
Communication networks, Minimization, Decision making, Trees, Algorithms 06397
Communication networks, Speech transmission, Packet switching, Protocols 07845
Communications, Fiber optics 06122
Data transmission, Channels, Noise, Sequences, Dissertation 04648
Data transmission, Fiber optics, Telecommunications 09354
Distortion, Amplifiers, Frequency 02435
Electric power generation, Fiber optics, Protection, Reliability 04915
Fabrication, Integrated circuits, Ternary circuits 04499
Fiber optics, Excitation, Signal processing, Dissertation 06162
Fiber optics, Signal processing, Speech transmission 09333
Light emitting diodes, Electrooptics, Fiber optics 00822
Local area networks, Distributed systems, Remote sensing, Switching 01459
Magnetic storage, Memory, Architecture, Software development, Thin films 04353
Minimax, Channels, Transmission, Delay 07996
Modeling, Speech synthesis, Delay, Simulation, Packet switching 07995
Multipliers, Integrated circuits, Iteration, Structural analysis 09293
Networks, Telecommunications, Millimeter waves, Reliability 03057
Optical communications, Systems design 09353
Optics, Communications, Telephones, Networks, Design 07763
Orthogonality, Frequency, Telephones, Data communications, Dissertation 06249
Poisson processes, Speech transmission, Simulation, Distributions 07993
Pulse code modulation, Systems design, Manufacturing, Maintenance 04618
Resonators, Performance, Surface properties 01063
Satellite communications, Data transmission, Time series, Frequency 06194
Satellite communications, Spread spectrum communications, Access 06189
Signal processing, Lasers 05751
Signal processing, Translation, Communication networks, Systems design 01283
Signal to noise ratio, Frequency, Image processing, Detectors 05671
Signal transmission, Filters, Channels 06399
Signal transmission, Televisions, Audio systems, Quality control 02972
Speech recognition, Frequency, Bandwidths, Orthogonality, Coding 06398
Speech transmission, Data processing, Traffic, Performance, Delay 07994
Speech transmission, Synchronization, Performance, Traffic, Integrated systems 07924
Speech transmission, Time measurement, Queueing theory 07997
Spread spectrum communications, Coding, Signal transmission 09553
Structural analysis, Signal processing, Satellite communications, Coding 02886
Telemetry, Fiber optics, Underwater technology, Signal transmission 07050
Telephones, Fiber optics, Waveguides, Data transmission 01471
Televisions, Signal processing, Transmission, Receivers, Time compression 02970
Televisions, Signal transmission, Satellites, Transponders 02941
Transmission, Image processing, Fiber optics 04567
Wavelengths, Performance, Optical communications 09350
Wavelengths, Signal transmission, Fiber optics 07727
Multipliers,
Analog to digital converters, Voltage, Time measurement, Economics 00687
Calibration, Measurement errors, Noise, Preamplifiers, Leak detection 00691
Circuitry, Architecture 07161
Filters, Design, Canonical forms, Pulse code modulation, Structural analysis 02372
Logic circuits, Arithmetic circuits, Fabrication 09288
Logic circuits, Gallium arsenide, Field effect transistors, Fabrication 04473
Multiplexing, Integrated circuits, Iteration, Structural analysis 09293
Signal processing, Arrays, Phase shifts, Phase locked loops, Frequency 01521
Signal processing, Filters, Convolvers, Design 09289
Time measurement, Error 07173
Multiprocessing,
Architecture, Office automation, Scheduling, Image processing 05703
Image processing, Sampling methods, Parallel processing 05702
Interactive systems, Man machine interactions, Programming, Controllers 02057
Microprocessors, Shift registers, Image processing 05704
Plug compatibility, Local area networks, Controllers, Terminals, Memory 02304
Multiprocessors,
Architecture, Fault tolerance, Signal processing 03124
Architecture, Filters, Memory, Structural analysis, Dissertation 04745
Arrays, Architecture, Mixing, Decomposition, Dissertation 03735
Circuitry, Fault detection, Testing, Voltage, Signal processing 06573
Communication networks, Compatibility, Transmission, Switching, S/NET 04633
Communication networks, Packet switching, Controllers, Delay, Loading 06269
Distributed systems, Trees, Algorithms, Arrays, Structural analysis 06044
Fault tolerance, Modeling 00595
Interfaces, Data structure, Standards, Buses 00601
Markov processes, Performance, Buses, Architecture, Numerical analysis 05386
Microcomputers, Spectral analysis, Nuclear physics, Data collection 00061
Monitoring, Electric power transmission, Transmission lines 01736
Scheduling, Power systems, Task scheduling 04947
Weapons, Control systems, Reliability, Logic, Research and development 03653
Multivariable systems,
Algorithms, Identification, Control systems, Noise, Filters 03572
Reduced order observers, Control systems, Feedback 05176
Signal processing, Parameter estimation, Optimization, Controllers 05221
Music,
Analog to digital converters, Audio systems, Systems design 09476
Automation, Quality control, Pulses, Sequences, Weighting 09480
Coding, Teletext, Multiplexing, Broadcasting, Data transmission 02959
Computer graphics, Music scores transcription 01477

Music, (continued)
- Sound synthesis, Spatial processing, Modeling 01476
- Speech synthesis, Interactive systems, Quality control, Problem solving 03079
- Vocoders, Signal processing, Tracking, Dissertation 01479

Navigation,
- Acoustics, Marine technology 09486
- Acoustics, Marine technology, Position control 09488
- Acoustics, Unmanned vehicles, Tracking 07048
- Aircraft engineering, Displays, Technology 02103
- Aircraft engineering, Guidance and control systems, Automation, Lasernav 06285
- Aircraft, Extrapolation, Optimization, Filtering, Algorithms 04697
- Aircraft, Flight control systems, Government policies, Research and development 04701
- Capital investment, Position control, Technological forecasting 03096
- Communication networks, Data processing, Marine engineering, Online systems 03090
- Cost benefit analysis, Technology, Aircraft, Ships 04696
- Doppler radar, Antennae, Clutter 09508
- Government programs, Military, Technology, Economics, Position control 03089
- Guidance and control systems, Satellite communications, Signal transmission 07857
- Gyroscopes, Fiber optics, Research and development 07745
- Gyroscopes, Position control, Lasers 03098
- Limiters, Receivers, Design, Frequency, Tracking 09491
- Marine engineering, Integrated circuits, Position control 04702
- Marine engineering, Microprocessors, Radar 03106
- Marine engineering, Position control, Microprocessors 09484
- Marine engineering, Safety systems, Harbor installations, Automation 00620
- Marine technology, Acoustics, Signal processing, Computer aided control 09489
- Marine transportation, Position control, Radios, Loran-C 09485
- Military aircraft, Capital investment, Buying and selling 00488
- Military aircraft, Lasers, Gyroscopes, Guidance and control systems 07417
- Modeling, Communications, Wave propagation 06279
- Personal computers, Ships, Instrumentation, Algorithms, Functions 03091
- Position control, Missiles, Simulation, Monte Carlo method 06981
- Position control, Satellites, Marine engineering, Technological forecasting 04700
- Programmable calculators, Personal computers, Economics, Reliability, Safety 03092
- Radio communications, Electronics, Wave propagation, Microprocessors 03087
- Radio communications, Frequency, Synchronization, Signal processing 03088
- Radio communications, Marine engineering 09318
- Radio communications, Microprocessors, Navaids System 4000 09490
- Radio communications, Offshore structures, Helicopters, Position control 09310
- Remote sensing, Shipboard equipment, Radar 09503
- Research and development, Italy, Air traffic control 07856
- Robots, Underwater technology, Marine engineering 08539
- Satellite communications, Aircraft, Guidance and control systems 00491
- Satellites, Avionics 07806
- Ships, Information retrieval, Marine engineering, Control systems 03094
- Ships, Systems design, Safety systems 04699
- Sonar, Remote sensing, Design, Performance 09519
- Sonar, Underwater technology, Image processing, Modeling, Marine engineering 07879
- Space technology, Refraction, Electromagnetics, Wave propagation 09492
- Spacecraft, Radios, Position control, Tracking 08603
- Standards, Government regulations, Telecommunications, Safety systems 04698
- Time measurement, Systems analysis 03097
- Underwater technology, Image processing, Remote sensing, Marine technology 08730
- Underwater technology, Robots, Position control 08538
- Underwater technology, Robots, Remote control, Collision avoidance 08687

Neodymium,
- Glass lasers, Phosphates, Pulse generation, Mode locking 09022
- Lasers, Oscillators, Anemometers 05754
- Lasers, Plasmas, Spectroscopy 07435
- Lasers, Pumping, Solar energy, Space technology 08984
- Lasers, Spectroscopy 08990
- Research and development, Glass, Lasers, Tuning 00942
- YAG lasers, Design, Resonators, Emissions 09021
- YAG lasers, Injection, Tuning, Stability 07378
- YAG lasers, Lidar, Reflection, Wavelengths 01006
- YAG lasers, Reflectors, Prisms, Optics 07419

Netherlands,
- Telecommunications, Systems design, Signal processing 03877

Networks,
- Amplifiers, Synthesis, Transfer functions 03813
- Architecture, Workstations, Distributed processing 03760
- Boundary value problems, Crosspoints, Concentrators, Embedding 05502
- Buses, Data transmission, Structural analysis, Electric power generation 04944
- Cable television, Systems design, Metro area networks 04576
- Capacitors, Filters, Circuitry, Parameter estimation 08783
- Capacitors, Voltage, Power systems, Transformers 07527
- Circuitry, Capacitors, Switched capacitors 08769
- Circuitry, Decomposition, Fault tolerance, Fault detection, Identification 08780
- Circuitry, Design, Coupling 05499
- Circuitry, Filters, Design, Network theory 07163
- Circuitry, Resistors, Inductors, Capacitors 02415
- Computable ordering, Graph theory 02408
- Configurations, Telecommunications, Distributed processing 01439
- Couplers, Capacity planning, Fiber optics 01348
- Curve fitting, Parameter estimation, Topology, Numerical analysis 05491
- Data communications, Demodulation, Synchronization, Systems design 01417
- Data communications, Desktop systems, Microprocessors, Value added networks 07830
- Data communications, Packet switching, Systems design, Aerospace engineering 06201
- Data communications, Transmission, Reliability 04626
- Data transmission, Routing, Modularization 05388
- Data transmission, Speech recognition, Algorithms, Allocation 06240
- Data transmission, Telecommunications, Switching 03049
- Decision making, Radio communications, Packet switching, Traffic 09317

Networks, (continued)
- Delay, Transfer functions, Hilbert transforms 024
- Design, Impedance, Transformers 010
- Education, Amplitude, Frequency, Instrumentation 071
- Electric power apparatus, Conductance, Grounding, Current voltage 006
- Electric power distribution, Control systems 082
- Electric power generation, Electric power transmission, Performance 082
- Electric power generation, Water, Electrolysis 083
- Electric power transmission, Communications, Fiber optics 045
- Electric power transmission, Planning, Australia 017
- Electrical power transmission, Current voltage, Impedance, Modeling 019
- Electrical resistivity, Power systems, Solar cells, Loading 039
- Fast Fourier transforms, Parallel processing, Partitioning 059
- Fiber optics, Couplers, Optimization, Costs 093
- Fiber optics, Data transmission, Systems design 077
- Fiber optics, Telecommunications, Technology 077
- Fiber optics, Transmission, Architecture, Economics 077
- Filters, Circuitry, Resistors, Inductors, Capacitors 087
- Filters, Circuitry, Transfer functions, Systems analysis 023
- Finite element method, Finite difference method, Eddy current, Magnetic fields 067
- Image processing, Fault tolerance 008
- Integrated circuits, Signal transmission, Stability, Phase shifts, Gyrators 055
- Japan, Data processing centers, Systems design, Packet switching 094
- Large scale systems, Synthesis, Graph theory 071
- Management, Compatibility, Economics, Standards 094
- Management, Telecommunications, Government standards, Research and development 061
- Mathematical models, Architecture, System theory 071
- Microwaves, Field effect transistors, Amplifiers 038
- Microwaves, Schottky diodes, Calibration, Detectors 060
- Millimeter waves, Scattering, Waveguides, Calibration 080
- Modeling, Access, Transmission 031
- Neurophysiology, Cytology, Structural analysis, Electric variables measurement 053
- Neurophysiology, Performance, Testing 053
- Neurophysiology, Probability, Artificial intelligence, Signal processing 053
- Nonlinearity, Current, Superposition principle 038
- Office automation, Data communications 078
- Office automation, Data communications, Telecommunications, Fiber optics 013
- Office automation, Optical character recognition, Economics 054
- Operating systems, Data communications, Data bases 030
- Optimization, Power systems, Stability, Frequency 082
- Packet switching, Data transmission, Access, Economics, ISDN 094
- Packet switching, Speech transmission, Protocols, Modular design 094
- Packet switching, Speech transmission, Simulation 063
- Packet switching, Trees, Routing 078
- Parallel networks, Electrical resistivity, Switching, Resistors 071
- Parallel processing, Machine machine interactions, Control systems, Routing 053
- Ports, Current voltage, Graph theory 002
- Ports, Impedance, Power, Circuitry 087
- Ports, Microwaves, Scattering, Computer aided analysis 000
- Power supply, Electric power generation, Simulation, Loading, Flow 002
- Power systems, Damping, Modulation, Simulation 0661
- Power systems, Electric power generation, Computer aided control 0835
- Power systems, Electric power transmission, Hydrothermal units 0826
- Power systems, Transmission lines, Numerical analysis, Switching 0015
- Process control, Data transmission, Wire, Fiber optics 0135
- Programmable controllers, Industrial processes, Process control 0692
- Queueing theory, Buses, Distributed processing, Modeling 0539
- Queueing theory, Packet switching, Routing, Radio communications 0453
- Radio communications, Data transmission, Channels, Time measurement, Delay 0931
- Radio communications, Noise, Statistical analysis, Amplitude, Signal processing 0452
- Radio communications, Topology, Protocols, Dissertation 0290
- Reliability, Control, Management 0877
- Reliability, Electric power generation, Loading, Risk assessment 0183
- Research and development, Design, Filters, Analog active networks 0712
- Research and development, Telecommunications, Fiber optics 0773
- Resistance, Capacitance, Filters, Frequency 0876
- Resistivity, Transistors, Tunneling, Diodes 0241
- Satellite communications, Depolarization, Data transmission, Compensators 0163
- Satellite communications, Queueing theory, Performance, Modeling, Dissertation 0778
- Satellite communications, Simulation, Modeling, Optimization, Protocols 0461
- Sensitivity, Filters, Decomposition, Matrices, Optimization 0544
- Signal converters, Integrated circuits, Filters 0714
- Signal processing, Quantization, Noise 0634
- Signal processing, Speech transmission, Research and development, Japan 0957
- Signal transmission, Spread spectrum communications, Military 0288
- Simulation, Electronic equipment, Computer graphics, Man machine interactions 0551
- Simulation, Routing, Traffic, Circuit switched networks 0626
- Simulation, Software development, SWITCAP 0549
- Stability, Nonlinear RLC networks 0240
- Switching, Capacitors, Simulation, Functions, Frequency 0549
- Switching, Optimization, Dissertation 0879
- Switching, Research and development 0944
- Switching, Voltage, Protection 0819
- Synchronization, Phase locked loops, Technology 0622
- Systems design, Computer aided design 0059
- Systems design, Pole/zero determination 0381
- Systems design, Protocols, Distributed processing 0540
- Systems design, Protocols, Software development, Nestar Plan 4000 0446
- Systems design, Reliability, Maintainability, Fault tolerance 0694
- Systems design, Telecommunications, Office automation 0946
- Technological forecasting, Telecommunications, Software development 0449
- Telecommunications, Data transmission, Testing, Hewlett-Packard 0623
- Telecommunications, Distributed processing, Monitoring, Realtime systems 0143
- Telecommunications, Education, Data transmission 00631
- Telecommunications, Maintenance, Troubleshooting, Fault detection 0465
- Telecommunications, Management, State of the art 04521

orks, (continued)
ecommunications, Millimeter waves, Reliability ... 03057
ecommunications, Office automation, Data transmission, Data bases ... 06204
ecommunications, Signal transmission, Interference ... 00698
ecommunications, Software, Economics, Transmission lines ... 02987
ecommunications, Speech transmission, Data transmission, Modeling ... 01582
ecommunications, Systems design, Signal processing ... 03877
ecommunications, Systems design, Videotex, Switzerland ... 04563
ecommunications, Technology, Cable television, Public institutional networks ... 04574
ecommunications, Televisions, Telephones, Image processing ... 09403
ecommunications, Transmission, Planning, Modeling ... 09305
econferencing, Satellite communications, Education, Government agencies ... 06174
lephones, Connectors, Ageing, Service life ... 02468
lephones, ITT1290, Maintenance, Automatic testing ... 04668
lephones, Optics, Communications, Multiplexing ... 07763
lephones, Signal transmission, Analog versus digital ... 03058
lephones, Signal transmission, TELEXPHONE-B ... 06261
lephones, Transmission lines, Channels ... 07945
sting, Fault detection, Topology ... 07151
sting, Signal processing, Control systems ... 07167
roughput, Radio communications, Signal transmission, ALOHA ... 09316
pology, Monotonicity ... 07165
ansmission lines, Electric power generation, Stability, Voltage ... 01749
ansmission, Private automatic branch exchange, State of the art ... 09465
ansmission, Switching, Performance Monitoring, Intelli-Max ... 07096
ansmission, Telecommunications, Packet switching, Transborder data flow ... 09468
ansportation, Routing, Planning, Data bases, United Kingdom ... 00628
nited Kingdom, Telecommunications, Reliability, Insulation displacement ... 02994
oltage, Regulation, Costs, Design ... 08245
oltage, Transfer functions, Measurement ... 07168
aveguides, Performance ... 09121
rology,
lectrophysiology, Pulse generation, Electrodes ... 00530
requency, Microwaves, Radio frequency, Dielectric permittivity ... 00522
athematical models, Cytology, Electric variables measurement, Impedance ... 05334
uscles, Control systems, Optimization, Cybernetics, Modeling ... 05316
hotoreceptors, Sensitivity, Mathematical models ... 05321
triate cortex, Neurons, Organization, Information processing, Cats ... 05322
hreshold stimulus amplitudes, Biomedical engineering, Modeling ... 05317
Wave propagation, Acoustics, Microwaves, Pressure ... 00525
rophysiology,
coustics, Filtering, Electroencephalograms, Signal processing ... 05318
ommunication networks, Channels, Distortion, Controllers, Signal processing ... 05328
urrent, Dipoles, Modeling, Generators, Simulation ... 08638
esign, Recording systems, Laboratory testing ... 05324
Electrodes, Electric variables measurement, Recording systems ... 05325
nformation processing, Mathematical models, Signal processing, Delay, Feedback ... 05332
Magnetic fields, Superconductivity, Sensors, Medical research ... 04113
Networks, Cytology, Structural analysis, Electric variables measurement ... 05330
Networks, Performance, Testing ... 05326
Networks, Probability, Parameter estimation, Artificial intelligence ... 05329
Psychology, Amplification, Frequency, Speech synthesis, Dissertation ... 03076
Signal to noise ratio, Error, Velocity, Filters ... 02155
Sound, Pattern recognition, Histograms ... 05327
utrons,
Diffraction, Diffractometers, Resolution, Nuclear reactors, Particle detectors ... 01893
Dosimetry, Nuclear reactors, Covariance ... 00748
Fission, Deuterium, Tritium, Dosimetry ... 00383
Fluence, Dosimetry, Pressure vessels ... 00750
Generators, Lasers, Magnesium ... 08325
rradiation, Composite materials, Superconductivity, Nb_3Sn-Cu ... 04100
rradiation, Germanium, Doping, Field effect transistors, Bolometers ... 01894
rradiation, Iron, Transmission electron microscopy, Crystal defects ... 00372
rradiation, Nuclear reactors, Pressure vessels, Steel, Dosimetry ... 00740
rradiation, Solar cells, Performance, Space technology, AlGaAs-GaAs ... 05644
rradiation, Superconductivity, Crystal defects, V_3Si ... 01021
Radioactive materials handling, Dosimetry, Waste treatment, Flux ... 02487
Silicon, Semiconductors, Integrated circuits, Radiation ... 01155
Vacuum technology, Breakdown, Voltage ... 00288
w Zealand,
Bandwidths, Frequency, Broadcasting, Radiotelephones, Signal transmission ... 01310
Underwater technology, Transmission lines, Telephones, Telecommunications ... 01463
aragua,
Radio communications, Developing countries, Information services ... 04524
kel,
Ageing, Sintering, Electrochemical reactions ... 08310
Alloys, Dielectrics, Corrosion resistance, Thermal variables control ... 04361
Alloys, Iron, Electrodeposition, Electrochemical reactions, X-rays ... 03332
Alloys, Polarization, Defects, Electrodes, Potentials ... 05142
Alloys, Surface structure, Scanning electron microscopy ... 03905
Cadmium, Batteries, Discharges, Modeling ... 08297
Cadmium, Batteries, Energy storage components, Design, Testing ... 06652
Cadmium, Cells, Impedance, Degradation ... 06655
Carrier mobility, Spectroscopy, Electric fields, Defects, Pn junctions ... 02699
Cells, Charge, Frequency, Impedance ... 08304
Coatings, Electrodeposition, Steel, Corrosion ... 03555
Contacts, Polyacetylene, Current voltage, Capacitance voltage ... 05147
Electrodes, Coatings, Charge, Thermal variables measurement ... 08308
Electrodes, Energy conversion, Energy storage components ... 08307
Electrodes, Fabrication, Energy storage components, Batteries ... 08300
Electrodes, Performance, Degradation ... 06654
Electrodes, Sintering, Stress, Fatigue ... 08335
Foils, Lasers, Irradiation, X-rays, Emissions ... 05745
Granular materials, Fracture, Ultrasonics, Acoustic waves ... 00259
Hydrogen, Batteries, Cells, Separators, Design ... 08319
Hydrogen, Cells, Satellite communications, Performance ... 06651

Nickel, (continued)
Metal insulator semiconductors, Schottky diodes, Fabrication, Barrier heights ... 04389
Sensors, Electric variables control, Alloys, Iron, Materials testing ... 04337
Solar cells, Metallization, Reliability ... 05627
Superalloys, Creep, Strain, Temperature, Dissertation ... 08394
Nickel ferrite,
Refractive indices, Millimeter waves, Fourier transforms, Spectroscopy ... 03561
Nickel hydroxide,
Electrodes, Crystal growth, Structural analysis, Performance ... 06653
Nickel oxide,
Electrodes, Electrochemical reactions, Open circuit voltage ... 06671
Nickel silicide,
Oxidation, Metallization, Interconnections, Integrated circuits ... 05562
Nigeria,
Population dynamics, Remote sensing, Estimation, Organization and methods ... 03697
Televisions, Broadcasting, Research and development, Disssertation ... 09402
Niobium,
Alloys, Titanium, Composite materials, Materials testing, Superconductivity ... 04104
Alloys, Titanium, Tantalum, Superconductors, Cables ... 04195
Bridges, Structural analysis, Current voltage, Thermal variables measurement ... 04114
Composite materials, Titanium, Superconductors, Current density, Heat treatment ... 04111
Gradiometers, Superconductivity, Tunnel junctions, Thin films ... 01023
Josephson effect, Tunnel junctions, Fabrication, Current density, Lithography ... 05805
Josephson junctions, Fabrication, Interferometers, Magnetic fields ... 04087
Logic circuits, Integrated circuits, Tunnel junctions, Josephson junctions ... 04070
Resonators, Superconductivity, Electric fields, Design, Particle accelerators ... 04170
Solenoids, Titanium, Current density, Scattering ... 04199
Superconductors, Wire processing, Magnetic fields ... 04213
Surface properties, Defects, Superconductivity, Thermal variables measurement ... 04057
Tin, Solenoids, Magnetic fields, Superconductors ... 04232
Tin, Superconductors, Solenoids, Cryogenics, Stability ... 04228
Titanium, Superconductors, Voltage, Oscillation, Inductance ... 04160
Tunnel junctions, Current density, Microwaves, Josephson junctions ... 04098
Tunnel junctions, Resonance, Superconductivity, Nb-Nb_2O_5 ... 04220
Tunnel junctions, Silicon, Schottky diodes ... 04211
Niobium carbon nitride,
Chemical vapor deposition, Superconductors, Magnetic fields ... 04099
Niobium carbonitride,
Films, Millimeter waves, Mixers, Detectors, Fabrication ... 05796
Niobium compounds,
Composite materials, Superconductivity, Neutrons, Irradiation, Nb_3Sn-Cu ... 04100
Current density, Superconductors, Tensile strength ... 04278
Solenoids, Magnets, Cryogenics, Current density ... 04201
Solenoids, Superconductivity, Magnetic fields, Voltage, Nb_3Sn ... 04209
Solenoids, Superconductors, Aluminum, Stability, Nb_3Sn ... 04200
Strain, Transmission lines, Superconductors ... 04290
Superconductors, Current density, Thermal variables measurement ... 04283
Superconductors, Fabrication, Solenoids ... 04164
Niobium nitride,
Josephson junctions, Current density, Current voltage, Temperature ... 04175
Tunnel junctions, Josephson junctions, Sputtering, Temperature, NbN/Pb ... 04203
Niobium oxide,
Etching, Ion beams, Optics, Waveguides, Fabrication ... 09119
Tunnel junctions, Resonance, Superconductivity, Nb-Nb_2O_5 ... 04220
Niobium selenide,
Electromagnetic waves, Phonons, Charge density ... 00030
Niobium titanide,
Magnets, Superconductivity, Solenoids, Cryogenics ... 04152
Nitrogen,
Doping, Tantalum, Aluminum, Thin films, Capacitors ... 03901
Electron density, Temperature, Photoionization, Lasers, Plasmas ... 07356
Nitrogen dioxide,
Adsorption, Phthalocyanine, Films, Electrical conductivity, Sensors ... 03541
Nitrous oxide,
Gas lasers, Excitation, Additives, Optimization ... 07401
NMOS,
Silicon nitride, Films, Trapping, Kinetics, Photoelectric effect ... 07559
Noble gases,
Tungsten, Diffusion, Optical systems ... 03958
Noise,
Access, Channels, Communication networks, Signal transmission, Dissertation ... 04777
Acoustic emissions, Instrumentation, Transducers, Measurement ... 05110
Acoustic testing, Internal combustion engines, Nondestructive testing ... 00354
Acoustic variables measurement, Dose response effects, Instrumentation ... 05106
Acoustics, Optics, Receivers, Channels, Calibration ... 08927
Acoustics, Rotors, Circulation, Control systems, Wind tunnels ... 05103
Admittance, Conductance, Two port devices ... 00296
Aircraft, Guidance and control systems, Wind, Turbulence, Dissertation ... 02075
Aircraft, Meteorology, Atmospheric conditions ... 05243
Algebra, Arrays, Signal processing, Maximum likelihood estimation ... 06310
Algorithms, Beam propagation, Arrays, Radar, Antennae ... 03103
Algorithms, Convergence, Respiratory system, Modeling, Parameter estimation ... 07011
Algorithms, Filters, Frequency, Convergence, Parameter estimation ... 08752
Algorithms, Identification, Control systems, Multivariable systems, Filters ... 03572
Amplifiers, Broadcasting, Satellite communications, Receivers ... 03851
Amplifiers, Capacitance, Signal converters, Filters ... 05480
Amplifiers, Field effect transistors, Current voltage, Feedback ... 05952
Amplifiers, Gallium arsenide, Integrated circuits, Microelectronics ... 05524
Amplifiers, Josephson junctions, Superconductivity ... 04118
Amplifiers, Transducers, Receivers, Signal processing ... 01990
Analog to digital conversion, Signals, Weight functions ... 00701
Analog to digital converters, Spread spectrum communications, Quantization ... 02454
Antennae, Signal processing, Channels ... 06496
Antennae, Signal processing, Computer aided analysis ... 06484
Asymptotic behavior, Channels, Signal processing, Functions, Numerical analysis ... 01568
Atmospheric conditions, Acoustic emissions, Instrumentation ... 03507

Noise, (continued)
Audio systems, Integrated circuits, Signal processing, Amplifiers, Filtering 03072
Autoregressive analysis, Spectral analysis, Estimation, Signal processing 01542
Avalanche photodiodes, Heterostructures 02492
Bipolar transistors, Switching, Amplifiers 05494
Bridges, Current, Indium, Thickness measurement, Dissertation 09060
Broadcasting, Satellite communications, Signal processing, Receivers, Antennae 07802
Capacitance, Metal oxide semiconductors, Field effect transistors 02634
Capacitors, Filtering, Metal oxide semiconductors, Communication networks 05467
Capacitors, Metal oxide semiconductors, Modulation, Carrier mobility 03895
Carrier mobility, Transistors, Logic circuits 01172
Ceramics, Interfaces, Electrodes, Ions 00710
Channels, Coding, Dissertation 04791
Channels, Metal oxide semiconductors, Field effect transistors 01209
Channels, Oscillators, Frequency, Stability 08821
Channels, Radio frequency, Signal processing, Data transmission, Optimization 04772
Channels, Transmission, Parameter estimation 07925
Channels, Transmission, Radio communications 07690
Channels, Transmission, Signal to noise ratio 01552
Charge coupled devices, Channels, Integrated circuits 02853
Circuitry, Communication networks, Amplifiers, Loading, Design 00671
Circuitry, Signal processing 09547
Circuitry, Switching, Capacitors, Sensitivity analysis, Computer aided analysis 05571
Clocks, Atomic physics, Time measurement, Oscillation, Dissertation 00358
Coal mining, Communications, Magnetic variables measurement 06854
Coding, Receivers, Design, Fiber optics, Signal transmission 07694
Communication networks, Data transmission, Channels, Feedback, Convergence 09319
Communication networks, Filters, Signal processing, Performance, Channels 01546
Communication networks, Simulation, Data transmission, Channels, Dissertation 06361
Communications, Channels, Transmission, Feedback 04787
Communications, Filters, Modeling, Dissertation 04733
Communications, Transmission, Error correcting codes 07960
Computer aided analysis, Emissions control, Economics, Buildings 03522
Computer programs, Optimization, Microwaves, Delay, Circuitry 03239
Conductors, Excitation, Coronas, Performance 08209
Control systems, Converters, Microcomputers, Optimization, Testing 03878
Control systems, Stochastic processes, Variance, Algorithms 05217
Convergence, Output, Error, Least squares estimation, Modeling 03116
Covariance, Image processing, Edge detection, Dissertation 02582
Data transmission, Channels, Interference, Dissertation 04609
Data transmission, Channels, Satellite communications, Dissertation 01580
Data transmission, Channels, Sequences, Multiplexing, Dissertation 04648
Data transmission, Logic circuits, Switching, Guidance and control systems 02087
Data transmission, Synchronization, Reliability, Token rings 04783
Decoding, Convolutional codes, Quantization, Boundary value problems 03179
Detection, Signal processing, Modeling, Density functions, Probability 06309
Diffraction, Holography, Reflection, Triethanolamine, Emulsions 04040
Diffusion, MESFET, Transistors, Gallium arsenide 07607
Diodes, Magnetics, Sensors, Degradation, Temperature 05910
Drain, Gallium arsenide, HEMT, Field effect transistors 01212
Echo, Circuitry, Signal transmission, Telephones, Switching 01464
Electric fields, Performance, Corona, Transmission lines 02643
Electric power apparatus, Radio frequency, Automotive engineering 03763
Electric power transmission, Fault detection, Monitoring 01785
Electrocardiograms, Waves, Numerical analysis 07009
Electromagnetic waves, Admittance, Carrier mobility, Transistors 01174
Electromagnetics, Communications, Signal processing, Computer aided analysis 09306
Electromagnetics, Interference, Canonical forms, Probability, Modeling 04814
Electrons, Phonons, Metals, Point contacts 06875
Encoding, Interactive systems, Fault tolerance 01590
Error, Online systems, Data collection, Electrolysis, Regression analysis 05135
Error, Probability, Communication networks, Signal processing, Performance 07820
Error, Probability, Modulation, Phase shift keying, Communication networks 06177
Estimation, Amplitude, Signal processing, Bayesian analysis, Modeling 03118
Estimation, Markov processes, Signal processing, Filters, Smoothing 07808
Far infrared, Emissions, Stratosphere 08408
Feedback, Channels, Access, Codes, Signal processing 09564
Fiber optics, Communications, Channels 07702
Fiber optics, Data communications, Local area networks, Safety, Economics 04553
Fiber optics, Microwave devices, Sensors, Signal processing, Radar 06160
Fiber optics, Signal to noise ratio 07715
Field effect transistors, Amplifiers, Filters, Cooling 08814
Field effect transistors, Fabrication, Microwave devices, Integrated circuits 04421
Field effect transistors, Semiconductors, Chemical vapor deposition 04408
Filtering, Communications, Occupational health, Dissertation 04515
Filtering, Image processing, Pattern recognition, Thermographics 07464
Filtering, Parameter estimation, Signal processing, Modeling 04764
Filtering, Signals, Boundary value problems 03145
Filtering, Signals, Error, Kalman filters 06385
Filters, Design, Error, Modeling, Signal processing 05320
Filters, Gain, Delay, Time measurement, Butterworth filter 03797
Filters, Image processing, Stochastic processes, Storage, Matrices 02373
Filters, Normal lattices, Gain, Transfer functions 05434
Filters, Oscillation, Computer programs, Performance, Dissertation 07130
Filters, Output, Signal processing 08742
Filters, Receivers, Modulation, Bandwidths, Error 02351
Filters, Seismology, Wave propagation, Frequency, Dissertation 08663
Filters, Signal processing, Delay, Frequency, Dissertation 06380
Filters, Signal processing, Detection, Noise, Covariance 03805
Filters, Signal processing, Measurement, Numerical analysis 07114
Filters, Signal to noise ratio 05435
Filters, Spectral analysis, Simulation 00669
Filters, Stability, Transfer functions 03778
Filters, Statistical analysis, Signal processing, Dissertation 05479
Filters, Transfer functions, Parameter estimation, Frequency, Matrices 08759
Fourier analysis, Series expansion, Probability, Density, Phase shift keying 07895

Noise, (continued)
Frequency, Modulation, Signal processing, Gaussian processes 07
Frequency, Modulation, Spectral analysis 07
Frequency, Phototransistors, Heterojunctions, Spectral analysis, InGaAsP/InP 07
Frequency, Signal processing, Filters 07
Frequency, Signal processing, Interference, Telecommunications 01
Frequency, Signal to noise ratio, Simulation 09
Frequency, Stability, Semiconductor lasers, Aluminum gallium arsenide 02
Frequency, Superconductors, Josephson junctions, Current voltage, Dissertation 01
Frequency, Synthesizers, Microwaves 08
Frequency, Transistors, Thermal variables measurement 07
Gain, Gallium arsenide, Field effect transistors, GaAs preamplifiers 05
Gain, Resolution, Detectors, Scintillation 05
Gallium arsenide, Diodes, Conductance, Carrier density 09
Gallium arsenide, Field effect transistors, Microwaves, Oscillators 01
Gallium arsenide, Field effect transistors, Scattering, Microwaves, Amplifiers 09
Gallium arsenide, MESFET, Doping, Microwaves, Performance 05
Gallium arsenide, Switching, Current voltage, Dissertation 04
Generators, Signal processing, Random processes, Circuitry, Memory 00
Hydrogen, Masers, Frequency, Receivers, Stability 08
Image processing, Coding, Displays, Optics, Dissertation 06
Image processing, Computed tomography, Pattern recognition, Stability 09
Image processing, Computer aided analysis, Scanning, Microscopy 08
Image processing, Mapping, Cartography 05
Image processing, Radar, Targets, Information theory, Dissertation 06
Imaging, Resolution, Holography, Tomography 08
IMPATT diodes, Modulation, Switches, Radar 07
IMPATT diodes, Oscillators, Gallium arsenide, Doping 04
Industrial noise, Monitoring, Occupational health 00
Industrial noise, Occupational health, Noise levels, Laboratory testing, Mining 00
Information processing, Optical communications, Parallel processing 07
Injection, Lasers, Modes, Emission spectra 04
Injection, Lasers, Optical analysis, Spectral analysis 07
Integrated circuits, Metal oxide semiconductors, Current voltage, Design 07
Integrated circuits, Motors, Controllers, Signal processing, Recording systems 01
Integrated circuits, Recording systems, Voltage, Performance 02
Interference, Data transmission, Channels, Mathematical modeling, Dissertation 01
Josephson junctions, Frequency, Superconductivity 04
Josephson junctions, Resistors, Sensitivity analysis, Tunnel junctions 04
Josephson junctions, Superconductivity, Current, Tunnel junctions 04
Josephson junctions, Tunneling, Superconductivity 04
Junctions, Tunneling, Frequency, Transistors 02
Kernels, Estimation, Nonlinear systems, Identification 09
Lasers, Klystrons, Oscillators, Modes 00
Lasers, Mirrors, Performance 08
Lasers, Modulation, Optical storage, Simulation, Semiconductors 09
Lasers, Radiation, Theoretical analysis 08
Lasers, Satellites, Instrumentation, Modeling 09
Least squares estimation, Difference equations, Signal processing 09
Limiters, Diffusion, Field effect transistors, Semiconductors 02
Logic circuits, Modeling 06
Machinery, Signal processing, Finite element method, Modeling, Dissertation 04
Masks, Distortion, Acoustics 01
Maximum likelihood estimation, Signal processing, Modulation, Frequency 07
Measurement, Signal processing, Electromagnetics 07
Metal oxide semiconductors, Transistors, Circuitry, Design 05
Metal oxide semiconductors, Voltage, Dielectrics, Tunneling 07
Metals, Internal friction, Spectral analysis, Tunneling 03
Microstrips, Oscillators, Radios, Frequency, Stability 04
Millimeter waves, Semiconductors, Field effect transistors 012
Missiles, Acoustic variables measurement, Filters, Guidance and control systems 08
Mobile systems, Radio communications, Microwaves, Signal processing 079
Modeling, Approximations, Detection, Optimization, Numerical analysis 063
Modeling, Communications, Transmission, Threshold detectors 079
Modeling, Computer aided design, Lightwaves, Waveforms 077
Modeling, Image processing, Radar, Remote sensing 047
Modeling, Wind, Meteorology, Acoustics, Measurement 068
Modems, Data transmission, Signal processing, Error, Algorithms 079
Modulation, Communications, Transmission 079
Modulation, Power series, Satellite communications 079
Modulation, Threshold, Amplitude, Frequency 031
Monte Carlo method, Simulation, Microwaves, Soil science 034
MOSFET, Transistors, Carrier mobility, Voltage 076
Multiplexing, Spread spectrum communications, Coding, Signal transmission 095
Networks, Radio communications, Statistical analysis, Amplitude 045
Noise abatement, Integrated circuits, Simulation, Voltage, Power supply 028
Noise abatement, Shielding, Jet engines, Frequency, Attenuation, Dissertation 004
Noise abatement, Systems design, Integrated circuits, Bipolar devices 024
Noise abatement, Transformers, Insulators, Shielding, Damping 010
Noise abatement, Vibration, Submarines, Underwater technology 019
Noise levels, Measuring instruments, Laboratory testing 003
Nuclear reactors, Stochastic processes, Kinematics, Modeling 049
Numerical analysis, Differential equations, Modeling, Photodiodes, Voltage 039
Occupational exposure, Vibration, Hearing loss 050
Optical communications, Transmission, Error detecting codes 077
Optics, Image processing, Filters, Signal processing 008
Oscillators, Bipolar transistors, Amplifiers, Computer aided analysis 038
Oscillators, Circuitry, Design 088
Oscillators, Damping 055
Oscillators, Dynamics, Excitation, Structural analysis 064
Oscillators, Electron beams, Tokamaks, Photoconductors, Far infrared 039
Oscillators, Microwaves, Injection 064
Oscillators, Phase locking, Receivers, Josephson junctions, Signal processing 055
Oscillators, Synchronization, Frequency, Stability, Phase locking 088
Oscillators, Tuning, Numerical analysis 047
Parameter estimation, Signal processing, Damping, Simulation, Dissertation 063

se, (continued)
attern recognition, Signal processing, Transfer functions, Speech transmission ... 03129
erformance, Codes, Channels, Input output ... 07953
hase locked loops, Detection, Approximations, Signal processing ... 06344
hase locked loops, Filters, Frequency, Tracking, Simulation ... 02364
hase shift keying, Filtering, Modulation, Signal processing, Frequency ... 07989
hase shift keying, Filters, Signal processing, Interference, Feedback ... 02365
hase shift keying, Performance, Error ... 07984
hase shifts, Measurement, Frequency, Signal processing ... 09548
hase transitions, Josephson junctions, Logic circuits, Superconductivity ... 04077
lasmas, Antennae, Signal processing, Lifetimes, Amplitude ... 08058
oisson processes, Generators, Filters, Gaussian processes, Frequency ... 03867
orts, Power, Thermal variables measurement ... 09524
reamplifiers, Leak detection, Measurement errors, Calibration, Multipliers ... 00691
rediction, Probability, Density, Fiber optics, Extrapolation ... 04558
ressure, Transducers, Field effect transistors, Modeling, Scaling ... 07505
robes, Filtering, Error, Modeling ... 09542
ulse generation, Modulation, Signal to noise ratio ... 04800
uantization, Image processing, Pattern recognition ... 03113
uantization, Networks, Signal processing ... 06349
adar, Image processing, Resolution ... 06293
adar, Spectral analysis, Atmospheric conditions, Filters ... 09514
adar, Tracking, Antennae, Least squares estimation, Performance ... 06481
adio communications, Signal detection, Filtering ... 03189
adio frequency, Interferometry, Receivers, Space technology ... 07691
adio noise, Electromagnetics, Frequency, Amplitude, Astrophysics ... 06442
adiometers, Optical communications, Detection, Impedance, Amplifiers ... 01320
adios, Signal to noise ratio ... 01537
andom variables, Signal transmission, Channels, Jammers ... 06350
eceivers, Communication networks, Data transmission, Channels, Quality control ... 09580
eceivers, Satellite communications ... 01301
eceivers, Signal processing, Radio communications, Motor vehicles ... 07677
ecording systems, Integrated circuits, Amplifiers, Computer aided design ... 02432
ecording systems, Magnetic fields, Spectral analysis, Density ... 05858
ecording systems, Magnetic tapes, Chromium dioxide, Coatings ... 05866
ecording systems, Signal to noise ratio, Magnetics, Thin films ... 05871
esearch and development, Aircraft engines, Government regulations ... 02079
oundoff noise, Controllers, Signal processing, Filters, Scaling ... 04767
atellite communications, Modulation, Channels, Coding, Performance ... 09558
atellite communications, Signal transmission, Amplifiers, Traveling wave tubes ... 03165
emiconductor lasers, Acoustic variables measurement, Current, Modulation ... 09002
emiconductor lasers, Aluminum gallium arsenide, Theoretical analysis ... 00959
emiconductor lasers, Coatings, Reflectivity, Surface properties ... 00947
emiconductor lasers, Fiber optics, Video systems, Transmission ... 04017
Semiconductor lasers, Frequency, Spectral analysis, Phase matching ... 07380
Semiconductor lasers, Gallium aluminum arsenide, Frequency, Modulation ... 07384
Semiconductor lasers, Modeling ... 07383
Semiconductor lasers, Spectral analysis, Optical feedback ... 07379
Semiconductor lasers, Theoretical analysis, Quantum mechanics, Density ... 00957
Sequences, Generators, Synchronization, Error correcting codes, Logic ... 04736
Signal detection, Parameter estimation ... 01555
Signal detection, Performance, Minimax ... 09534
Signal detection, Quantization, Filters ... 03122
Signal detection, Resolution, Spectral analysis ... 03820
Signal detection, Restoration, Modeling ... 03121
Signal detection, Robustness, Modeling ... 01538
Signal detection, Sensitivity, Dissertation ... 01559
Signal detection, Simulation, Autoregressive analysis ... 03112
Signal detection, Spread spectrum communications, History ... 02887
Signal processing, Acoustics, Nondestructive testing ... 01976
Signal processing, Antennae, Radios, Mobile systems, Modeling ... 07840
Signal processing, Channels, Scattering, Fading, Dissertation ... 07949
Signal processing, Circuitry, Distortion, Numerical analysis, Filters ... 00102
Signal processing, Circuitry, Frequency, Covariance, Modeling ... 07913
Signal processing, Coding, Channels, Demodulation, Density ... 09555
Signal processing, Coding, Fourier transforms ... 03141
Signal processing, Data collection, Performance, Estimation ... 06319
Signal processing, Data transmission, Modeling ... 07903
Signal processing, Delay, Echo cancelling ... 03146
Signal processing, Detection, Data structure, Performance, Dissertation ... 09526
Signal processing, Detection, Estimation ... 06313
Signal processing, Detection, Radar, Probability, Estimation ... 06393
Signal processing, Estimation, Extrapolation, Time measurement, Optimization ... 07887
Signal processing, Extrapolation, Boundary value problems, Modeling ... 04768
Signal processing, Filtering, Speech recognition ... 02393
Signal processing, Filters ... 04766
Signal processing, Filters, Hilbert spaces, Least squares estimation, Weighting ... 05439
Signal processing, Filters, Kalman filters ... 04797
Signal processing, Filters, Simulation ... 03793
Signal processing, Frequency measurement, Statistical analysis ... 06329
Signal processing, Gaussian processes, Delay, Random variables ... 03138
Signal processing, Image processing, Simulation, Filtering, Dissertation ... 06311
Signal processing, Integrated circuits, Logic, Counters, Input output ... 07178
Signal processing, Mathematical models ... 04734
Signal processing, Modulation, Receivers, Estimation ... 09598
Signal processing, Radio communications, Atmospheric conditions ... 04541
Signal processing, Random variables, Estimation, Error, Filtering ... 03120
Signal processing, Receivers, Detection, Underwater technology, Dissertation ... 09527
Signal processing, Restoration ... 09538
Signal processing, Robustness, Radar, Dissertation ... 01560
Signal processing, Robustness, Statistical analysis, Estimation, Dissertation ... 06316
Signal processing, Satellite communications, Dissertation ... 01306
Signal processing, Speech recognition, Coding ... 03182
Signal processing, Speech transmission, Interference, Attenuation, Filters ... 03082
Signal processing, Underwater technology, Detection, Arrays, Processors ... 03133
Signal processing, Waveforms, Energy, Speech synthesis ... 04694

Noise, (continued)
Signal reception, Fiber optics, Amplifiers, State of the art ... 09341
Signal reception, Satellite communications, Amplifiers, State of the art ... 05518
Signal to noise ratio, Filtering, Amplifiers ... 00690
Signal to noise ratio, Hall effect, Transducers, Magnetoresistivity ... 03114
Signal transmission, Channels, Covariance, Matching, Gaussian processes ... 07923
Signal transmission, Channels, Phase shift keying ... 09563
Signal transmission, Coding, Teleconferencing ... 07723
Signal transmission, Converters, Satellite communications, Broadcasting ... 07805
Signal transmission, Error, Channels, Satellite communications ... 01577
Signal transmission, Waveforms, Synchronizers, Delay ... 07928
Signals, Filtering ... 02387
Signals, Filtering, Algorithms ... 04838
Signals, Filtering, Robustness ... 01597
Signals, Filters, Histogramming, Threshold selection ... 07910
Signals, Filters, Quantization ... 07132
Signals, Image processing, Pattern recognition, Edge detection ... 03983
Signals, Interference, Acoustic variables measurement ... 07884
Signals, Modulation, Feedback, Radios, AM ... 02909
Signals, Smoothing, Filtering, Embedding ... 06336
Silicon, Interfaces, Voltage, Field effect transistors ... 01214
Simulation, Communications, Bandwidths, Filters ... 07885
Simulation, Random processes, Signal processing, Filters, Modeling ... 06339
Solar cells, Reliability, Nondestructive testing ... 01142
Spectral analysis, Acoustic variables measurement, Mathematical models, PN ... 04732
Spectral analysis, Defects, Disks, Coatings ... 05877
Spectral analysis, Semiconductor lasers, Fabry Perot interferometers ... 00955
Spectroscopy, Heterostructures, Electron gases ... 04394
Spectroscopy, Signal processing, Amplitude, Control systems ... 03482
Speech recognition, Filtering ... 03077
Speech recognition, Filtering, Testing ... 04695
SQUID, Optimization, Capacitance, Josephson junctions, Computer aided analysis ... 05798
Stability, Modulation, Gallium aluminum arsenide, Semiconductor lasers ... 02596
Stability, Time measurement, Oscillators, Relaxation ... 03862
Superconductivity, Current voltage, Transformers, Flux, Tunnel junctions ... 04271
Superconductors, Junctions, Mixers, Current voltage, Frequency ... 04169
Synchronization, Control systems, Signal processing, Simulation, Modeling ... 03128
Synchronization, Error, Signal processing, Integrated circuits, Modeling ... 09593
Tantalum sulfide, Charge carriers, Electromagnetic waves, Density ... 00376
Thermal noise, Josephson junctions, Circuitry, Computer aided analysis ... 09061
Thermal noise, Transistors, Amplifiers, Signal processing ... 07200
Thermal variables measurement, Carrier mobility, Field effect transistors ... 01191
Thermal variables measurement, Drain, Bias, Voltage, Transistors ... 01231
Thermal variables measurement, Oscillators, Frequency, Cryogenics ... 03855
Thermal variables measurement, Thermometers ... 01879
Thin films, Recording systems, Magnetic tape, Thermal variables measurement ... 01095
Time measurement, Synchronizers, Waveforms, Delay ... 07927
Tracking, Filtering, Simulation ... 07862
Transistors, Amplifiers, Frequency, Computer aided analysis ... 03839
Transmission lines, Testing, Atmospheric conditions ... 09105
Trees, Encoding, Image processing, Filters, Smoothing ... 07707
Tunnel junctions, Breakdown, Josephson junctions ... 04162
Tunnel junctions, Mixers, Temperature, Current voltage, Receivers ... 07576
Tunnel junctions, Signal converters, Superconductivity, Josephson junctions ... 04177
Underwater technology, Remote sensing, Acoustic variables measurement ... 08668
Velocity, Rotors, Synchronous motors, Microprocessors, Signal processing ... 00079
Vibration, Cables, Fiber optics ... 02934
Vision, Image processing, Filtering, Inspection, Automation ... 03185
Wind turbines, Generators, Blades, Thickness measurement, Testing ... 08592

Noise abatement,
Refrigerators, Mufflers, Compressors, Rotating bodies ... 04738

Nondestructive testing,
Acoustic emissions, Doppler effect ... 05111
Acoustic emissions, Instrumentation, Noise, Transducers, Measurement ... 05110
Acoustic emissions, Materials testing, Mechanical strength ... 03520
Acoustic emissions, Mathematical models, Reverberational test chambers ... 00334
Acoustic emissions, Signal processing ... 01978
Acoustic emissions, Structural analysis, Reinforced plastics, Quality control ... 05113
Acoustic emissions, Transducers, State of the art ... 08482
Acoustic emissions, Ultrasonic transducers ... 02660
Acoustic emissions, Wave propagation, Measurement errors ... 01983
Acoustics, Optics, Lenses, Materials testing, Dissertation ... 06849
Acoustics, Plastics ... 01974
Acoustics, Signal processing, Noise ... 01976
Artificial intelligence, Inspection, Robots ... 00408
Artificial intelligence, Vision, Robots ... 08534
Bearings, Heat treatment, Quality control ... 01951
Bending, Gears, Strain, Holography ... 00257
Boilers, Tubes, Quality control ... 01977
Calibration, Transducers, Ultrasonics, Coding, Simulation ... 03511
Circuitry, Current voltage, Transients, Willoughby method ... 02414
Current voltage, Wavelengths, Diffusion, Solar cells ... 02501
Dielectrics, Reflection, Frequency, Insulators, Fault detection ... 07537
Digitizing, Pattern recognition, Sensors, Robots, Welding ... 02020
Displacement, Crack propagation, Acoustics ... 00343
Eddy current, Generators, Electric power generation, Tubes ... 08412
Eddy current, Magnetic fields, Impedance, Probes ... 06751
Eddy current, Materials testing, Numerical analysis ... 00286
Eddy current, Transducers ... 04343
Electric variables measurement, Magnetic variables measurement, Eddy current ... 06767
Electromagnetics, Acoustics, Metals, Transducers ... 09140
Electromagnetics, Instrumentation ... 03496
Electromagnetics, Materials testing, Photography ... 08457
Electromagnetics, Metals, Reliability, Transducers, Finite element method ... 06795
Electrooptics, Arc welding, Hydrogen ... 03964
Fiber optics, Components ... 00985

Nondestructive testing, (continued)
Flaw detection, Inspection, Ultrasonics ... 09135
Flaw detection, Materials testing, Radiography ... 08904
Geodesy, Electric variables measurement, Electrical resistivity, Conductivity ... 02167
Gold, Wire processing, Integrated circuits, Bonding, Packaged components ... 06062
Harmonics, Hardening, Electric variables measurement, Transducers ... 01073
Holography, Arc welding, Service life, Stress ... 02567
Holography, Helicopters, Fluid mechanics, Vortices ... 02602
Holography, Optics, Image processing, Pattern recognition, Robots ... 05775
Holography, Tires ... 00994
Holography, Vibration, Strain, Instrumentation, Structural analysis ... 09053
Horological instruments, Reliability, Leak detection, Watches ... 08577
Inspection, Assembling, Robots ... 00419
Inspection, Materials testing, Transducers ... 02665
Inspection, Quality control, Robots, Vision ... 00444
Inspection, Radiography, Flaw detection ... 01911
Inspection, Robots, Vision ... 00407
Inspection, Transducers, Research and development ... 09081
Instrumentation, Deformation, Ultrasonics ... 00261
Internal combustion engines, Acoustic testing, Noise, Dissertation ... 00354
Lenses, Optical transfer functions ... 02578
Lifts, Acoustic emissions, Inspection, Composite materials, Safety ... 05114
Magnetic fields, Flux, Shift registers, Interferometers, Josephson junctions ... 01022
Magnetic variables measurement, Mathematical models, Surface properties ... 06829
Magnetic variables measurement, Mechanical properties, Ferromagnetic components ... 01952
Magnetic variables measurement, Pipelines, Circuitry, Inspection ... 05820
Materials testing, Electromagnetics, Magnetic variables measurement ... 08036
Materials testing, Magnetic variables measurement ... 03497
Materials testing, Radiography, Xerography ... 03455
Materials testing, Radiometry ... 08397
Materials testing, Ultrasonic testing, Performance ... 00326
Mathematical models, Transducers, Eddy current, Fault detection ... 02670
Measurement, Acoustics, Elastic waves ... 01975
Memory, Superconductivity, Writing, Interferometers, Josephson junctions ... 04063
Metals, Stress measurement, Acoustoelasticity ... 00332
Metrology, Precision engineering, Transducers ... 09154
Microwave devices, Transducers, Metals, Flaw detection ... 02664
Moire patterns, Holography, Interferometry ... 01002
Molding, Semiconductors, X-rays, Spectroscopy, Fluorescence ... 01115
Numerical control, Inspection, Gauges, Metrology ... 02035
Optics, Inspection, Frequency, Transducers, Surface properties ... 05841
Optics, Mechanical strength, Plates, Moire method ... 08388
Optics, Surface roughness, Inspection, Quality control ... 02558
Oscillators, Calibration ... 08820
Packaged components, Coatings, Inspection, Electromagnetic fields ... 00615
Paper industry, Signal processing, Delay, Filtering, Simulation ... 04750
Pattern recognition, Computer aided analysis, Ball bearings, Surface properties ... 03992
Pipelines, Magnetic variables measurement, Stress, Bending ... 00318
Plastics industry, Measurement errors, Ultrasonics, Quality control ... 00347
Precision engineering, Quality control, Instrumentation, Ultrasonic testing ... 03521
Probes, Cryogenics, Integrated circuits, Computer aided control ... 04239
Product development, Sensors, Thermal variables measurement, Thermocouples ... 02631
Production control, Reliability, Optics, Inspection, Photoelectric scanners ... 05690
Quality control, Component boards, Inspection ... 05719
Quality control, Films, Radiography, Copper, Steel, Filters ... 03454
Radiography, Inspection, Automotive engineering ... 01910
Radiography, Welds, Joints ... 08842
Robots, Inspection, Nuclear reactors, Joints ... 02047
Semiconductors, Surface acoustic waves, Dissertation ... 09183
Sensors, Fiber optics, Product development ... 01318
Signal processing, Acoustic emissions, Amplitude, Spatial measurement ... 01989
Signal processing, Eddy current, Impedance, Dissertation ... 01915
Silicon, Ceramics, Crack propagation, Acoustic emissions ... 03504
Solar cells, Reliability, Noise ... 01142
Solar cells, Scanners, Lasers ... 07280
Space technology, Solar cells, Gallium arsenide ... 07279
Specifications, Springs, Nuts and bolts ... 01626
Spectroscopy, Signal processing, Echoes, Ultrasonics, Bonding ... 03509
Steel, Glass, Ultrasonics, Wave propagation ... 06852
Steel, Magnetic variables measurement, Mechanical strength ... 00258
Steel, Plates, Crack propagation, Ultrasonics ... 09134
Strain, Vibration, Bars ... 01979
Thermal variables measurement, Acoustics, Structural analysis ... 00342
Thickness measurement, Ultrasonics, Transducers ... 09136
Titanium, Alloys, Eddy current, Excitation, Electrical conductivity ... 04348
Transducers, Magnetic variables control ... 03494
Transducers, Magnetic variables control ... 08458
Transducers, Materials testing, Elasticity, Vibration ... 09133
Transducers, Research and development ... 05814
Transducers, Scanners, Frequency, Charge carriers ... 04342
Transducers, Simulation, Electric variables control ... 07511
Transducers, Ultrasonics, Vibration, Radiation, Acoustic emissions ... 05839
Ultrasonic transducers, Materials testing, Flaw detection ... 02661
Ultrasonics, Computer aided analysis, Microcomputers ... 03517
Ultrasonics, Lubricants, Wave propagation, Time measurement ... 00336
Ultrasonics, Thickness measurement, Inspection, Standards ... 05109
Ultrasonics, Tungsten carbide, Fracture, Toughness ... 00331
Ultrasonics, Vibration, Measurement errors ... 08481
Vibration, Lasers, Ultrasonics ... 00344
Video systems, X-rays, Production control, Assembling ... 08943
Voltage, Velocity, Motors, Servomechanisms, Electromotive force ... 00074
Welds, Joints, Nuclear power plants ... 01809
Wood processing, Statistical analysis, Lasers, Cutting tools, Scanning ... 04045
X rays, Electrons, Charge, Quality control ... 01912
X-rays, Image processing, Statistical analysis ... 06741

Nonlinear systems,
Acoustics, Sound propagation, Scattering, Vibration, Dissertation ... 068
Amplifiers, Harmonics, Modulation, Computer aided analysis ... 071
Closed loop systems, Control theory, Satellites, Attitude control ... 085
Differential equations, Averaging, Manifolds, Oscillators ... 024
Electric power transmission, Control systems, Estimation, Filters, Security ... 066
Estimation, Stability, Asymptotic behavior, Topology, Numerical analysis ... 087
Feedback, Equivalence, Control systems, Canonical forms, Dissertation ... 002
Input output, Expansion, Functions, Spectral analysis, Asymptotic behavior ... 006
Mathematical models, Structural analysis, Parameter estimation ... 053
Optics, Waveguides, Field equations, Equations of motion, Theoretical analysis ... 091
Oscillation, Frequency, Stability, Hydrodynamics, Numerical analysis ... 019
Systems analysis, Generalized Fock spaces ... 031

Norway,
Electric power transmission, Transmission lines, Underwater technology ... 033

Nuclear energy,
Electric power generation, Coal, Economics, Modeling, Maintenance ... 066
Electric power generation, Coal, Hydrogen, Acids, Electrochemistry ... 033
Electric power generation, Fusion, Research and development ... 033
Fuels, Electric power generation, Military engineering, Weapons ... 082
Fusion, Lasers, Research and development, Current ... 025
Government regulations, Environmental protection ... 049
Lasers, Radioisotopes, Diffusion, Centrifuges ... 057
Materials testing, Instrumentation, Calibration, Measurement errors ... 085
Military aircraft, Sensors, Missiles, Weapons, Research and development ... 052
Monitoring, Telemetry, Remote sensing, Fiber optics, Prototyping ... 029
Numerical analysis, Radiation, Measurement ... 084
Peoples Republic of China, Radiation, Dosimetry, Research and development ... 039
Physics, Thermodynamics, Ionizing radiation, Nuclear reactors ... 08
Radiation, Detectors, Sensitivity ... 085
Radiation, Thickness measurement, Instrumentation, Gauges ... 035
Radioisotopes, Measuring instruments, Radium ... 007
Weapons, Pulse generation, Communications ... 00

Nuclear fuels,
Deuterium oxide, Californium, Dosimetry, Calibration ... 003
Project engineering, Statistical analysis, Construction ... 01

Nuclear magnetic resonance,
Ferromagnetics, Resonance, Signals ... 01
Image processing, Signals, Magnetic fields, Reconstruction, Computed tomography ... 067
Image processing, Superconductors, Structural analysis ... 034
Magnets, Stability, Current, Thermal variables control ... 019
Pulse generation, Channels, Control systems ... 05
Simulation, Measurement errors, Image processing, Distortion ... 002
Spectral analysis, Absorption, Energy bands ... 035
Spectrometers, Signal to noise ratio, Optimization ... 05
Tomography, Image processing, Protons, Biomedical engineering ... 05

Nuclear medicine,
Hematology, Scintillation, Image processing, Cardiovascular system ... 005
Hospitals, Radiation, Radioactive materials handling ... 021
Imaging, Diagnostics ... 005
Imaging, Scintillation Cameras, Simulation ... 053
Indium, Generators, Blood analysis, Tracers ... 021
Measurement, Instrumentation, Assays, Radioisotopes, Iodine ... 007
Measuring instruments, Assays, Statistical analysis, Laboratory methods ... 007
Measuring instruments, Radioimmunoassay, Risk assessment, Hospitals ... 021
Measuring instruments, Radioisotopes, Iodine, Hungary ... 007
Radiation dosimetry, Biology ... 021
Radioisotopes, Cardiovascular system, Technetium, Computer applications ... 021
Radioisotopes, Cyclotrons, Research and development, Radioactive materials ... 021
Radioisotopes, Measurement, Instrumentation, Statistical analysis ... 007
Radioisotopes, Measurement, Instrumentation, Technetium, Pharmacology ... 007
Radioisotopes, Photon emission tomography, Image processing, Scanning ... 005
Technetium, Radioisotopes, Molybdenum, Generators ... 052
Tumors, Radiation dosimetry, Instrumentation, Radiology ... 021

Nuclear physics,
Data processing, Programmable calculators, Software development ... 035
Gases, Electron conductivity, Monte Carlo method ... 018
Spectral analysis, Microcomputers, Data collection, Multiprocessing ... 000

Nuclear power plants,
Accidents, Construction, Environmental protection, United States ... 049
Accidents, Government regulations, United States, Environmental protection ... 049
Accidents, Technology, Environmental protection ... 049
Computer aided control, Communications, Equipment, Inspection ... 049
Control systems, Electric power generation, Downtime, Fault detection ... 001
Control systems, Nuclear reactors, Monitoring, Fault detection ... 049
Control systems, Simulation, Computer graphics, Displays ... 001
Control systems, Standards, Technological forecasting ... 001
Economics, Electric power generation, USSR ... 018
Electric power generation, Loading, Thermal variables control, Storage ... 083
Electric power generation, Mexico, Costs ... 018
Electric power generation, Philadelphia, Environmental impact, Monitoring ... 005
Environmental protection, Construction, Statistical analysis ... 018
Estimation, Control systems, Modeling, Optimization ... 033
Gamma radiation, Thermoluminescence, Radiation dosimetry ... 007
Government regulations, Technology, Environmental protection ... 049
Industrial waste disposal, Electric furnaces, Melting ... 026
Monitoring, Control systems, Fault detection ... 051
Monitoring, Security, Technology, Thermodynamics, Reliability ... 033
Motors, Valves, Control systems, Circuitry, Reliability ... 081
Nuclear reactors, Loading, Simulation, MAXI-LILLIPUT ... 083
Optimization, Loading, Modeling, Control systems ... 066
Pressure vessels, Steel, Dosimetry ... 007
Risk assessment, Temperature, Safety systems, Heat recovery ... 033
Robots, Mechanical handling, Hazardous materials handling, Safety, Technology ... 049
Robots, Radioactive materials handling ... 052
Safety, Reliability, Bibliography ... 037

ear power plants, (continued)
iety systems, Environmental monitoring, Automation 05384
iety, Utilities, Instrumentation, Technology, Research and development 03345
rage, Cleaning process, Technology, Contamination 04981
rges, Switches, Circuit breakers, Vacuum technology 00108
stes, Radioisotopes, Monitoring, Online systems 04991
lds, Joints, Nondestructive testing 01809
ear reactors,
cidents, Thermodynamics, Fuels, Prediction, Software 03348
libration, Dosimetry, Radiometry 00744
lifornium, Deuterium oxide, Calibration, Dosimetry 00380
cuity, Thermodynamics, Reliability, Monitoring, Safety 04977
ntrol systems, Failure, Design, Speech synthesis, Man machine interactions 03344
ntrol systems, Monitoring, Fault detection 04988
oss sectional measurement, Dosimetry, Least squares estimation 00378
oss sectional measurement, Dosimetry, Mass spectrometry, Data bases 00741
oss sectional measurement, Software, Covariance 00379
simetry, Benchmarks, Matrices, Spectral analysis 00748
simetry, Covariance, Matrices, Validation 00751
simetry, Cross sectional measurement, Data bases 00743
simetry, Gamma radiation, Least squares estimation 00745
simetry, Neutrons, Steel 00742
ectric power generation, Monitoring, Technology 06659
ber optics, Probes, Microcomputers, Data collection, Flow of liquids 03547
ux Detectors, Automatic control, Microcomputers 04989
sion, Design, Tritium, Diffusion 00194
sion, Spallation, Neutrons, Dosimetry 00384
sion, Tokamaks, Current, Drives, Transformers 00165
sion, Voltage, Tokamaks, Magnetic fields 00170
amma radiation, Probes, Design, Power density 06661
amma radiation, Spectrometry, Shielding, Concrete 00381
elium, Fusion, Dosimetry 00746
pedance, Sensors, Two phase flow, Measurement, Velocity 00190
tegral equations, Deuterium, Torus 00383
nizing radiation, Thermodynamics, Physics, Nuclear energy 08865
ints, Inspection, Robots 02047
asers, Doppler anemometers, Velocity, Measurement, Rod bundles 07440
oading, Simulation, MAXI-LILLIPUT 08322
onitoring, Instrumentation, Cooling systems, Radioisotopes, Sodium 05152
onitoring instruments, Control systems, Radiation 01808
onitoring, Strain measurement, Transducers 08324
onitoring, Thermal variables measurement, PWR 04990
article detectors, Resolution, Neutrons, Diffraction, Diffractometers 01893
ressure vessels, Dosimetry, Irradiation, ^{85}Kr 00739
ressure vessels, Dosimetry, Monitoring 00750
adiation, Dosimetry, Wastewater treatment, Physics, Research and development 03432
adiation, Measurement, Computer aided analysis 05151
esearch and development, Neutrons, Converters, Calibration 06728
isk assessment, Temperature, Safety systems, Heat recovery 03342
ensors, Probes, Pressure vessels, Corrosion, Boilers 03288
imulation, Unfolding codes, Data bases, Spectral analysis 00749
teel, Pressure vessels, Neutrons, Irradiation, Dosimetry 00740
tochastic processes, Kinematics, Noise, Modeling, Numerical analysis 04978
hermal variables measurement, Modeling 03347
okamaks, Solenoids, Magnetic fields, Energy resources 06660
ransformers, Magnetic fields, Problem solving, Finite element method 09163
elocity, Acoustic variables measurement 08326
merical analysis,
coustics, Waves, Scattering, Underwater technology, Oceanography 05370
erodynamics, Propellers, Wind turbines, Performance, Velocity 04859
ircraft, Guidance and control systems, Stability, Energy, Displacement 05254
ircraft, Trajectories, Fuel efficiency 02114
lgorithms, Integrated circuits, Heuristics, Resistance, Computer aided design 06000
lgorithms, Laplace transforms, Transmission lines, Cables, Loading 09086
mplifiers, Gain, Power, Lasers 00938
mplifiers, Semiconductors, Surface acoustic waves 00338
mplifiers, Switching, Circuitry, Capacitance 00661
ntennae, Sensors, Polarization, Frequency, Electromagnetic fields 06493
pproximations, Voltage, Channels, Metal oxide semiconductors 07586
tmospheric conditions, Signal processing, Electromagnetic waves 03227
allistics, Gallium arsenide, Displacement, Simulation, Electrons 01109
iology, Current, Microwaves, Radiation 05293
iomedical engineering, Circuitry, Amplifiers, Voltage, Stability 05504
oundary value problems, Elasticity, Crack propagation, Integral equations 03428
ables, Breakdown 08197
anonical forms, Variational principle, Electromagnetics 00005
avities, Electron beams, Microwaves, Gyrotrons 00269
hannels, Frequency, Hilbert transforms 09483
harge carriers, Electrical resistance, Impedance 01926
harge coupled devices, Potentials, Channels 07650
hoppers, Current, Vibration 06599
ircuitry, Computer aided design, Research and development, Walsh series method 05492
ircuitry, Eddy current, Magnetic fields, Matrices, Problem solving 06794
ircuitry, Fault detection, Voltage, Impedance, Equivalence 00665
ircuitry, Mathematical models 08786
ircuitry, Matrices, Mathematical models 08781
ommunications, Antennae, Frequency, Performance 08128
ommunications, Channels, Transmission, Crisis calls 03123
omputed tomography, Functions, Algebra, Mathematics, Grids 03668
omputer programs, Finite element method, Electromagnetics, Problem solving 06807
onductivity, Electric fields, Slot antennae 01665
ontrol systems, Access, Communication networks, Random processes, Delay 09595
ontrol systems, Modeling, Simulation 05178
onvection, Heat transfer, Cables, Pipes 04918
urrent, Electric power generation, Buses 01873
urrent, Impedance, Radiation, Antennae, Microstrip antennae 06482

Numerical analysis, (continued)
Current, Josephson junctions, Thermal variables measurement 04230
Current voltage, Integrated circuits, Interferometers, Josephson junctions 04073
Cylindrical antennae, Transient response 04840
Data collection, Meteorology, Satellite communications, Agriculture, Monitoring 02242
Data transmission, Speech transmission, Packet switching 07849
Detectors, Phase shifts, Phase locked loops, Frequency 00704
Dielectric constants, Frequency, Antennae, Wave propagation 09172
Dielectric constants, Image processing 02681
Dielectrics, Fiber optics, Cladding 05889
Dielectrics, Resonators, Frequency 08075
Differential equations, Modeling, Photodiodes, Noise, Voltage 03924
Differential equations, Oscillators, Amplifiers 08822
Diffraction gratings, Holography, Electrooptics, Crystals 05779
Diffraction, Wave propagation, Acoustics, Dissertation 03505
Displacement, Integrated circuits, Stability 04464
Doping, Silicon, Bipolar transistors, Carrier mobility 02696
Doping, Transistors, Gallium arsenide, Surface properties 01177
Doppler effect, Estimation, Delay, Theorem proving, Boundary value problems 09562
Drives, Electric variables measurement, Torque, Modeling, Velocity 04858
Duality, Circuitry, Delta wye transformations 03153
Earth electrodes, Mathematical models 06583
Economics, Optimization, Electric power distribution 08372
Eddy current, Boundary value problems, Integral equations, Conductors 06757
Eddy current, Conduction, Magnetic fields, Vectors 06820
Eddy current, Conductors, Finite element method, Integrodifferential equations 07224
Eddy current, Conductors, Integrodifferential equations, Finite element method 06730
Eddy current, Density, Boundary element method, Magnetic fields, Conductors 05559
Eddy current, Density, Conductors, Matrices, Metals 06768
Eddy current, Electric fields, Magnetic fields, Finite difference method 06761
Eddy current, Electromagnetics, Flow, Finite element method, Generators 06549
Eddy current, Harmonics, Integral equations, Boundary value problems, Rotation 06760
Eddy current, Iteration, Boundary value problems, Integrodifferential equations 06758
Eddy current, Magnetic fields 06838
Eddy current, Magnetic fields, Conduction, Vectors, Flow 06754
Eddy current, Magnetic fields, Damping 05092
Eddy current, Problem solving, Circuitry, Conductors 06759
Electric fields, Coupling, Stability, Fluidized beds 08446
Electric fields, Distributions, Conductive media, Computer aided analysis 01948
Electric fields, Magnetic fields, Antennae, Communications 08052
Electric fields, Magnetic fields, Dielectrics, Surface properties, Antennae 08452
Electric fields, Magnetic fields, Finite element method 06822
Electric power distribution, Loading, Economics 06692
Electric power generation, Diesel engines, Wind turbines, Generators 04893
Electric power generation, Estimation, Algorithms, Functions 01859
Electric power generation, Loading, Modeling, Industry 05012
Electric power generation, Probability, Flow, Loading, Modeling 06615
Electric power generation, Reliability, Algorithms 04957
Electric power generation, Stability, Control systems, Structural analysis 06609
Electric power transmission, Dissertation, Economic dispatching 00234
Electric power transmission, Voltage, Transmission lines 00087
Electrocardiograms, Noise, Waves 07009
Electromagnetic fields, Helical antennae, Dipole antennae 06485
Electromagnetic fields, Magnetostatics, Magnetic variables control 06817
Electromagnetic fields, Resonators, Langrangians 08444
Electromagnetic fields, Wave propagation, Quantum mechanics, Polarization 08008
Electromagnetic waves, Polarization, Scattering, Wave propagation 00016
Electromagnetic waves, Scattering, Hydrometeors, Communications 04818
Electromagnetics, Boundary value problems, Finite element method 06801
Electromagnetics, Conduction, Stability, Modeling, Finite element method 07449
Electromagnetics, Current, Rotors, Finite element method 06548
Electromagnetics, Cylindrical antennae 08127
Electromagnetics, Diffraction, Holography, Phase conjugation, Focusing 00882
Electromagnetics, Finite difference method, Boundary value problems 06796
Electromagnetics, Frequency, Resonance, Programming languages 06457
Electromagnetics, Lagrangian method 04803
Electromagnetics, Problem solving, Laplace equations, Helmholtz equations 06798
Electromagnetics, Pumps, Magnetic fields, Eddy current, Distributions 07448
Electromagnetics, Scattering 01625
Electromagnetics, Scattering, Impedance, Transmission lines, Dissertation 08006
Electromagnetics, Scattering, Wire, Antennae 08102
Electromagnetics, Thermal variables control, Mathematical models, Wire 06401
Electromagnetics, Wave propagation 08034
Electromagnetics, Wave propagation, Diffraction, Plasmas 08060
Electromagnetics, Wave propagation, Transmission electron microscopy 06426
Electromagnetics, Wave propagation, Waveguides, Galerkin method 01055
Electrostatics, Electrical conductivity 03488
Energy storage devices, Power plants, Loading, Economics, Modeling 06572
Equations of motion, Semiconductors, Monte Carlo method 01116
Error, Electromagnetics, Diffraction 01604
Excitation, Circuitry, Microwaves, Harmonics 00051
Excitation, Wave propagation, Oscillation 06428
Exhaust gases, Propellants, Thrusters, Velocity, Thermodynamics 06963
Far infrared, Lasers, Pumping 07365
Fast Fourier transforms, Performance, Reflector antennae 04855
Fault detection, Circuitry, Communication networks, Identification, Topology 03830
Fault detection, Probability 06396
Fiber optics, Frequency, Measurements 07773
Fiber optics, Modes, Attenuation, Coupling 01353
Field effect transistors, Current, Breakdown, JFET 09255
Filters, Capacitors, Amplifiers, Recursion, Design 05457
Filters, Delay, Convex programming, Groups, Error 02395
Filters, Metals, Thickness measurement, Computer aided design, Performance 03794
Filters, Optimization, Design, Current voltage, Structural analysis 03808
Filters, Signal detection, Transfer functions 05469
Filters, Signal processing, Noise, Measurement 07114

Numerical analysis, (continued)
Filters, Targets, Detection, Algorithms, Image processing 05705
Filters, Tracking, Radar, Parameter estimation, Optimization 06287
Finite element method, Charge, Magnetic variables control 06808
Finite element method, Electromagnetics, Torque, Force, Stiffness 06828
Finite element method, Extrapolation, Electromagnetics, Algebraic equations 06800
Finite element method, Magnetic fields, Circuitry, Plates, Metals 06824
Finite element method, Magnetic fields, Traveling waves 00321
Finite element method, Optics, Waveguides, Anisotropy 08023
Finite element method, Simulation, Generators, Loading, Synchronization 06546
Finite element method, Wave propagation, Scattering, Waveguides 08027
Free electron lasers, Amplifiers, Wave propagation 00924
Frequency, Modulation, Signal processing, Gaussian processes, Noise 07901
Gas lasers, Far infrared, Carbon dioxide, Pumping 07355
Gas lasers, Radiation, Refractive indices, Wave propagation 09016
Gas lasers, Resonators, Magnetic fields 07354
Generators, Fourier analysis, Finite element method, Magnetic fields 06821
Generators, Vibration, Frequency, Composite materials 06677
Geomagnetism, Ionosphere, Electrons, Collisions, Wave propagation 08664
Geometry, Electromagnetics, Boundary value problems, Integral equations 06799
Gradiometers, Gravity waves, Superconductivity 04055
Granular materials, Acoustics, Wave propagation, Ducts 00327
Grounding, Voltage, Current, Computer aided analysis 08272
Gyrotrons, Frequency, Tuning, Signal processing 06468
Gyrotrons, Gyroklystrons, Cyclotrons, Masers, Harmonics 00931
Gyrotrons, Traveling waves, Amplifiers, Waveguides, Magnetic fields 07948
Image processing, Mathematics, Computer graphics 05664
Induction motors, Modeling, Electric variables measurement, Rotors, Reliability 04872
Induction motors, Rotors, Modeling, Generators, Magnetic variables measurement 04871
Insulators, Stress, Thermal variables measurement, Ageing 08188
Integral equations, Current, Excitation, Electromagnetics 08020
Integral equations, Electromagnetic waves, Scattering, Wave propagation 06435
Integrated circuits, Frequency, Signal processing, Input output 05539
Josephson junctions, Magnetic fields 04231
Josephson junctions, Oscillators, Dissipation 04184
Josephson junctions, Transmission lines, Voltage, Traveling waves 09096
Junctions, Semiconductors, Potentials, Voltage 02695
Lasers, Copper, Flow of gases, Pulses, Frequency 08970
Lasers, Excitation, Gases 05735
Lasers, Pulses, Polarization, Lidar, Optical axes misalignment 02606
Lidar, Frequency, Sounding, Signal processing, Atmospheric conditions 08051
Light scattering, Gamma radiation, Measurement, Dissertation 01913
Light scattering, Surface properties, Surface roughness, Silver, Dissertation 08041
Machinery, Synchronization, Rotors, Harmonics, Dynamics 00066
Magnetic fields, Boundary value problems, Finite element method 06818
Magnetic fields, Circuitry, Flux, Density, Finite element method 07517
Magnetic fields, Circuitry, Magnetization, Perturbation, Inductance 05094
Magnetic fields, Eddy current, Braking systems, Finite element method 07221
Magnetic fields, Finite element method, Computer aided analysis 06823
Magnetic fields, Shielding 06843
Magnetic variables control, Coil winding machines, Magnetic deflection yoke 03498
Magnetic variables control, Conductors, Finite difference method 07225
Magnetic variables control, Waves, Fluid dynamics, Stability 03321
Magnetic variables measurement, Density, Finite element method 07516
Magnetic variables measurement, Pipelines, Circuitry, Inspection 05820
Magnetics, Coil winding machines, Harmonics, Deflection 02673
Magnetohydrodynamics, Boundary layers, Stability, Surface properties 08281
Magnetohydrodynamics, Solenoids, Design, Optimization, Magnetic fields 06642
Markov processes, Performance, Buses, Multiprocessors, Architecture 05386
Materials testing, Nondestructive testing, Eddy current 00286
Mathematical models, Rotors, Generators, Frequency, Circuitry 06510
Maxwell equations, Electromagnetics, Polarization 04806
Measurement, Dielectrics, Transmission lines 09171
Microstrips, Frequency, Dielectrics, Impedance, Millimeter waves 09100
Microstrips, Resonators, Electromagnetic fields 09126
Microstrips, Transmission lines 09098
Microwave devices, Oscillators, Waveforms 00697
Microwaves, Circuitry, Design, Impedance 06475
Microwaves, Mathematical models 08074
Modal analysis, Electromagnetics, Waveguides 04809
Modeling, Atmospheric conditions, Prediction, Oceanography 00575
Modeling, Charge carriers, Signal to noise ratio, Transfer functions 01255
Modeling, Circuitry, Iteration, Matrices, Signal processing 05511
Modeling, Computer aided control, Flow, Lasers, Kinematics 05737
Modeling, Eddy current, Electric machines, Finite element method, Rotation 06765
Modeling, Electromagnetics, Transformers 06827
Modeling, Power systems, Electric variables control 04958
Modeling, Probes, Rings, Magnetic variables measurement 07523
Modeling, Thin films, Semiconductors, Solar cells, Current voltage 07276
Modems, Filters, Signal processing, Performance, Interference 07990
Modulation, Detection, Minimization, Vertices, Algorithms 06392
MOSFET, Field effect transistors, Channels, Performance 05979
Motors, Loading, Modeling, Dynamics, Electric power generation 06521
Motors, Rotors, Conductors, Metals, Testing 07228
Motors, Synchronization, Magnetic variables measurement, Simulation 06524
Networks, Curve fitting, Parameter estimation, Topology 05491
Networks, Transmission lines, Electric power generation, Stability, Voltage 01749
Nonlinear systems, Oscillation, Frequency, Stability, Hydrodynamics 01934
Nuclear energy, Radiation, Measurement 08440
Nuclear reactors, Stochastic processes, Kinematics, Noise, Modeling 04978
Optimal control, Functions 08517
Optimal control, Lagrangian functions, Approximations, Matrices 08515
Optimal control, Weighting 08516
Oscillation, Filters, Sequences, Sampling methods 03809
Oscillation, Josephson junctions 04247
Oscillation, Linear systems, Research and development 05529

Numerical analysis, (continued)
Oscillators, Design 08
Oscillators, Excitation, Lotka-Volterra model 08
Oscillators, Heterojunctions, Bipolar transistors, GaAs/(GaAl)As 05
Partial differential equations, Semiconductors, Modeling, Software packages 04
Particles, Precipitation 08
Partitioning, Matrices, Algorithms, Integrated circuits, Linear systems 06
Phase locked loops, Communications, Channels, Dissertation 01
Phase locked loops, Traveling wave tubes, Computer aided analysis, Simulation 08
Photodiodes, Current density, Recombination, Dark conduction 07
Photovoltaics, Energy conversion, Electrochemistry, Semiconductors 01
Piezoelectricity, Transducers, Frequency 02
Plasmas, Recombination, Ultraviolet, X-rays, Amplification 08
Propulsion, Magnetic variables control, Electric variables control, Machinery 05
Pulses, Measurement, Signal processing, Frequency, Amplitude 08
Radiation, Optics, Instrumentation, Detection 05
Ray tracing, Troposphere, Radio waves, Wave propagation 08
Recording systems, Magnetic fields, Boundary value problems 06
Recording systems, Magnetic variables measurement, Computational analysis 07
Reflectors, Antennae, Scattering 08
Reflectors, Diffraction, Optical analysis 08
Relaxation, Electron beams, Magnetic fields 00
Remote sensing, Atmospheric conditions, Geography, Spectral analysis 02
Remote sensing, Data collection, Oceanography, Chlorophylls, Water color 00
Resonance, Amplifiers, Waveguides, Magnetic fields 08
Resonance, Waveguides, Electrodynamics, Cross sectional measurement 06
Resonators, Circuitry, Microstrips, Microwaves 08
Resonators, Frequency, Vibration 09
Resource management, Wildland classification, Ecology, Dissertation 02
Robots, Computer aided control, Planning, Dynamics, Computer programs 06
Robots, Manipulators, Control systems 02
Robots, Manipulators, Control systems, Actuators, Servomechanisms 05
Robustness, Control systems, Optimization, Loops 051
Rotors, Cylinders, Flux, Saturation, Rotating bodies 06
Ruby lasers, Emissions, Kinetics, Coupling 08
Satellite communications, Packet switching, Queueing theory, Delay, Algorithms 09
Scattering, Dielectrics, Waveguides 04
Scattering, Electromagnetic waves, Perturbation 00
Scattering, Surface acoustic waves, Discontinuities, Dielectrics, Waveguides 04
Seismology, Earthquakes, Nuclear energy, Dissertation 005
Semiconductor lasers, Dynamics, Modeling, Charge carriers, Density 04
Semiconductor lasers, Resonators, Stability, Switching 00
Semiconductors, Injection 04
Semiconductors, Layers, Absorption 027
Semiconductors, Stability, Plasmas, Dispersion 032
Semiconductors, Transport properties, Newton method 076
Signal detection, Noise, Sensitivity, Dissertation 015
Signal processing, Circuitry, Noise, Distortion, Filters 001
Signal processing, Filtering, Random variables, Dynamical systems 095
Signal processing, Optimization, Time measurement 031
Signal processing, Semiconductors, Spectroscopy 011
Signal processing, Transducers, Measurement, Vibration 075
Silicon, Amorphous materials, Charge coupled devices, Electron density 076
Simulation, Monte Carlo method, Solar cells, Performance 056
Solar cells, Tunnel junctions, Voltage, Power 008
Solar energy, Heating systems, Construction, Flow rates 002
Solar energy, Heating systems, Temperature 002
Solar energy, Lasers, Pumps, Energy conversion, Telecommunications 049
Spacecraft, Attitude control, Optimization, Dissertation 004
Structural analysis, Elasticity, Crack propagation, Statics 050
Switches, Contacts, Erosion 067
Switching, Transmission lines, Power systems, Networks 001
Thermal conductivity, Thin films, Integrated circuits, Lasers 025
Thermal variables measurement, Deformation, Physical properties 067
Thermodynamics, Entropy, Magnetic variables measurement 002
Thin films, Magnetoresistors, Modeling, Dispersion 075
Traffic, Random variables, Interference, Data communications 078
Transformations, Filters 054
Transformations, Polynomials, Functions, Matrices 071
Transmission, Antennae 081
Transmission, Circuitry, Passivity criterion, LTI networks 024
Transmission lines, Capacitance, Impedance, Microstrips 091
Transmission lines, Coaxial cables, Antennae 048
Transmission lines, Fourier transforms, Impedance 074
Transmission lines, Optics, Modulation, Admittance, Circuitry 043
Tuning, Oscillators, Noise 047
Tunnel junctions, Mixers, Millimeter waves 072
Vibration, Magnet coupling, Rotating bodies, Shafts 019
Vibration, Subharmonic vibration, Oscillation 019
Vibration, Subharmonic vibration, Parametric excitation 019
Viscosity, Friction, Motors, Automotive engineering, Brakes 032
Voltage, Capacitors, Switching 0066
Voltage, Electric power generation, Transmission lines, Calibration, Balancing 0187
Voltage, Logic, MOSFET 0118
Voltage, MOSFET, Field effect transistors, Boron, Doping 0596
Voltage, Output, Electrical resistance, Potentiometers 0718
Voltage, Recombination, Cadmium mercury telluride, Photoelectromagnetic effect 0514
Voltage, Transducers, Algorithms, Nonlinear equations, Current 0265
Wave propagation, Diffraction, Electromagnetic waves, Dissertation 0001
Wave propagation, Fiber optics, Coupling, Pulses, Flow 0614
Wave propagation, Stress, Strain, Acoustics, Dissertation 0684
Waveguides, Frequency, Loading, Resonators, Dielectrics 0324
Waveguides, Nonlinear systems, Wave propagation, Resonance 0911
Waveguides, Tapers, Mode conversion, Performance 0748
Waves, Diffraction, Geometry, Theorem proving, Series expansion 0640
Waves, Spectral analysis, Couplers, Microstrips, Frequency 0325

merical control,
Automotive engineering, Computer aided design, Finite element method, Economics 03767
Cutting tools, Robots, Milling, Repair 02036
Industry, Manufacturing, Automation, Robots 03882
Machine tools, Milling 03567
Nondestructive testing, Inspection, Gauges, Metrology 02035
Robots, Manufacturing, Welding, Machinery, Loading 06918

eanography,
Acoustics, Depth measurement, Instrumentation, Systems development 00567
Acoustics, Electromagnetic waves, Wave propagation, Sonar 02275
Acoustics, Geophysics, Wave propagation, Soil science 00562
Acoustics, Signal transmission, Computer aided analysis 00569
Acoustics, Waves, Scattering, Underwater technology, Numerical analysis 05370
Altimeters, Satellite communications, Resonance 00570
Altimetry, Data collection, Systems analysis, Satellites 03705
Atmospheric conditions, Electromagnetic waves, Wave propagation 01634
Atmospheric conditions, Image processing, Thermal variables measurement 03448
Atmospheric conditions, Modeling, Numerical analysis 00575
Atmospheric conditions, Remote sensing, Air-water interface, Satellites 08669
Bottom loss, Acoustic variables measurement, Data bases, Software development 03708
Bottom loss, Acoustic variables measurement, Image processing 03709
Buoys, Wave propagation, Calibration, Sensitivity 02267
Buoys, Wave propagation, Sensors, Measurement errors 02269
Buoys, Wave propagation, Spectral analysis 02268
Chemical variables measurement, Acoustics, Frequency, Relaxation, Sea water 03523
Computed tomography, Acoustics, Process development 02266
Computer programs, Sonobuoys, Validation, Waves, Simulation 07056
Cross sectional measurement, Radar, Scattering 03105
Data collection, Satellites, Remote sensing, Technological forecasting 00564
Echoes, Logic circuits, Pulse generation, Sonar 03108
Echosounders, Remote sensing, Thermal variables measurement 08684
Ecology, Satellites, Optical analysis, Image processing 00560
Energy conversion, Fluid dynamics, Heat exchangers, Thermal variables control 00227
Fishery oceanography, Satellites, Remote sensing, Coastal zone, Water color 08688
Fluorescence, Biology, Sampling methods, Acoustics, Dissertation 00333
Image processing, Remote sensing 08652
Infrared, Radiometers, Computer aided analysis, Atmospheric conditions 03447
Instrumentation, Computer aided control, Recording systems, Microprocessors 05367
Lasers, Remote sensing, Monte Carlo method, Theoretical analysis 07432
Light scattering, Spectral analysis, Radar, Backscattering 03102
Magnetic fields, Sensors, Packaged components, Conductivity, Distortion 01607
Mapping, Sonar, Remote sensing, Image processing 06304
Meteorology, Atmospheric conditions, Data collection 00571
Microwaves, Electromagnetic waves, Salinity, Wavelengths, Remote sensing 02273
Modeling, Acoustics, Sound propagation, Deep water 07054
Optics, Calibration, Scanners, Data collection, Statistical analysis 05369
Optics, Spectral analysis, Surface properties, Remote sensing 07052
Project engineering, Wave propagation, Meteorology, Modeling, Remote sensing 02270
Radar, Gauges, Acoustic testing, Wave propagation, Measurement errors 02271
Radar, Image processing, Statistical analysis, Polarization 07871
Radar, Image processing, Wave propagation, Bathymetry 02276
Radar, Remote sensing, Image processing, Sea-ice types 06294
Radar, Remote sensing, Ocean surveying, Current data 08672
Radar, Remote sensing, Wave spectra, SEASAT, SAR 09502
Radar, Scatterometers, Remote sensing, Ocean-atmosphere system 08673
Radiometers, Remote sensing, Ocean-atmosphere system 08676
Remote sensing, Combustion, Satellites, Radiometers, Offshore structures 03435
Remote sensing, Data collection, Numerical analysis, Chlorophylls, Water color 00568
Remote sensing, Filtering, Altimeters, Satellites 00561
Remote sensing, Fishery sciences, Fishery oceanography 08686
Remote sensing, Infrared, Thermal variables measurement, Hydrodynamics 03446
Remote sensing, Plumes, Thermal variables measurement, Infrared, Scanners 03445
Remote sensing, Radar, SEASAT, Surface wind measurement 07063
Remote sensing, Radiometers, Thermal variables measurement, Meteorology, Error 03438
Remote sensing, Salinity, Sea ice 08683
Remote sensing, Satellite communications, Microwave devices, Meteorology 00536
Remote sensing, Satellites, GEOSAT 07055
Remote sensing, Scatterometers, Wind stress, Ocean-atmosphere system 08678
Remote sensing, Spectral analysis, Channels, Satellites, Reflectance 00565
Remote sensing, Thermal variables measurement, Precision engineering 03706
Remote sensing, Thermistors, Current meters, Internal waves, Ocean circulation 08682
Remote sensing, Tide gauges, Automatic control, Microprocessors 08685
Salinometers, Salts, Conductivity, Fluidics 02272
Satellite communications, Remote sensing, Scanning, Optical devices 05368
Scatterometers, Remote sensing, Wave spectra, Ocean circulation 08671
Seismology, Data collection, Signal processing, Data compression 02274
Signal processing, Acoustics, Data transmission, Systems design, Dissertation 06292
Signal processing, Mapping 08667
Signal transmission, Sonar, Wave propagation, Acoustic waves, Dissertation 04730
Sonar, Mapping, Shallow water, Hydrographic surveys 09520
Surveys, Image processing, Radar, SAR 09501
Telecommunications, Local area networks, Marine technology 09423
Thermal variables measurement, Radiometers, Hydrodynamics, Remote sensing 04713
Thermal variables measurement, Thermistors, Thermometers, Remote sensing 03704
Underwater technology, Sonar, Scanning, Photography, Research and development 05371
Wave propagation, Transfer functions, Filters 07051
Waves, Measurement, State of the art 07057
Waves, Remote sensing, Boundary layers 03707
ffice automation,
Artificial intelligence, Communications, State of the art 06263
Artificial intelligence, Systems design, Dissertation 00603
Business, Management information systems, Telecommunications 05394
Buying and selling, Word processors 02314

Office automation, (continued)
Communication networks, Management, Technology, Resource management 01293
Communication networks, Private branch exchange, Peripheral devices, Economics 07083
Communication networks, Speech synthesis, Text editing, Information retrieval 07819
Communication networks, Terminals, Portability 02315
Communication networks, Word processors, Plug compatibility, Standards 06193
Communications, Data transmission, Electronic mail 03025
Communications, Electronic mail 09413
Communications, Electronic mail 09422
Communications, Integrated systems, Terminals, Organization and methods 06095
Communications, State of the art, Technological forecasting 01380
Communications, Teleconferencing, Cost benefit analysis 03034
Computer graphics, Broadcasting, Printing industry, Raster displays 07289
Computer graphics, Systems design, Productivity, Slide-making systems 00604
Data communications, Telecommunications, Networks, Fiber optics 01340
Data entry, Speech recognition, Technological forecasting 02287
Data entry, Speech transmission, Technological forecasting 05393
Data transmission, Fiber optics, Local area networks, Private branch exchange 02931
Data transmission, Routing, Information retrieval, Microcomputers 01401
Data transmission, Storage, Optics, Decision making, Technological forecasting 06211
Data transmission, Telecommunications, Networks 06204
Data transmission, Telecommunications, Project engineering 01285
Displays, Personal computers, Ergonomics, Touch sensitive screens 03752
Economics, Communications, Teleconferencing 04613
Economics, Telecommunications, Data transmission, Speech transmission 03059
Electronic mail, Local area networks, Telecommunications, Protocols, Interfaces 06231
Electronic mail, Organization and methods, Communication networks 09450
Electronic mail, Records management, Technological forecasting 03758
Electronic mail, Security, Cryptography 02295
Electronic mail, Speech transmission, Storage, Computer aided control 06228
Electronic mail, Telecommunications, Technological forecasting, Circuitry 04627
Facsimile systems, Technological forecasting 02989
Formatting, Facsimile systems, Communications, Plug compatibility 06229
Image processing, Economics, Technological forecasting, Microimaging 03749
Image processing, Lasers, Documentation, Printers 09045
Information retrieval, Optical storage, Videodisks 02923
Information retrieval, Reliability, Micrographics 07100
Information systems, Privacy, Diary facility 05407
Information systems, Technology 02995
Integrated systems, Communication networks, Terminals, Channels, Buffers 01425
Integrated systems, Interfaces, Machine machine interactions, Planning 03757
Lighting, Ergonomics, Displays 07306
Local area networks, Private branch exchange, Speech recognition 07095
Local area networks, Transmission lines, Switching, Economics 09470
Micrographics, Economics, Data processing 05399
Micrographics, Information systems, Technology 05426
Micrographics, Technology, Records management, Integrated systems 03756
Networks, Data communications 07831
Networks, Optical character recognition, Economics 05419
Personal computers, Workstations, Word processing, Management, Training 04662
Printers, Technology, Economics, Selection 08719
Private branch exchange, Speech transmission, State of the art 09457
Productivity, Electronic mail, Private branch exchange, Telecommunications 04655
Productivity, Electronic mail, Telecommunications, Technological forecasting 06230
Reproduction (copying), Raster displays, Lasers, Digitizing 02605
Satellite communications, Microwave devices, Data transmission, Economics 04605
Scheduling, Architecture, Multiprocessing 05703
Security, Communication networks, Controllers, Microprocessors, Modems 05417
Speech synthesis, Pattern recognition, Integrated systems 09481
Systems design, Speech recognition 04651
Systems design, Telecommunications, Universal intra-premises network 09464
Systems design, Workstations, Speech transmission 03051
Technological forecasting, Facsimile systems, Teleconferencing, Electronic mail 03032
Technological forecasting, Personal computers, Printers 03733
Technology, Telecommunications 09427
Technology, Telecommuting 05403
Telecommunications, Electronic mail, Data bases, Software development 06233
Telecommunications, Radios, Image processing, Speech transmission 03043
Telecommunications, Semiconductors, Microprocessors, Switching, Telephones 06254
Teleconferencing, Failure, Technology 06236
Telephones, Displays 06257
Telephones, Networks, Maintenance, Automatic testing 04668
Telephones, Reliability, Microprocessors, Controllers, Economics 06267
Telephones, Switching, Speech transmission, PBX 09461
Teletex, Data transmission, Word processing, Technological forecasting 06245
Teletex, Telecommunications, Signal transmission, Machine machine interactions 06213
Typesetting, Equipment 02301
Typography, Management, Information processing, Output, Printers 07088
Videotex, Data bases, Data transmission, Terminals, Technology 02924
Word processing, Electronic mail, Management information systems 03759
Word processing, Teletex, Japan 09433
Offshore structures,
Cables, Fiber optics, Well logging 09340
Control systems, Compressors, Drilling 00435
Dredgers, Mining, Process control, Position control 00554
Drilling, Facsimile systems, Data transmission, Technical drawing 04611
Marine technology, Communications, Telemetry, SONARLINK 09411
Marine technology, Remote sensing, Satellite sensing, Conferences, Oceans '84 08665
Meteorology, Satellites 08689
Oil wells, Systems design, Telemetry, Telecommunications 04586
Pipes, Welding, Remote sensing, Underwater technology, Automation 00445
Radio communications, Navigation, Helicopters, Position control 09310
Radiometers, Satellites, Combustion, Remote sensing, Oceanography 03435
Safety systems, Optics, Illumination, Standards 02525
Ohmic contacts,
Gold, Germanium, Gallium arsenide, Ageing 00298

Ohmic contacts, (continued)
- Resistance, Sintering, Aluminum, Silicon ... 00297
- Solar cells, Electrodeposition, Resistivity, Transmission lines ... 00782
- Solar cells, Electrodeposition, Semiconductors ... 00786
- Structural analysis, Schottky barriers, Indium telluride ... 01144

Oil,
- Chemical variables measurement, Transformers, Industrial waste disposal ... 01737
- Discharges, Voltage, Lightning, Transformers, Dielectric permittivity ... 01747
- Heat transfer, Solar collectors, Thermal variables measurement ... 00226
- Insulators, Polymers, Films, Dielectric constants ... 02682
- Insulators, Transformers, Materials recovery, Chemical variables measurement ... 01739
- Microwaves, Dielectric constants, Water pollution, Remote sensing ... 03444
- Oil exploration, Underwater technology, Shipbuilding, Remote control ... 05427
- Sampling methods, Instrumentation, Dielectric properties ... 04357
- Transformers, Electrostatics, Charge, Moisture measurement ... 09166
- Transformers, Laboratories, Measurement, Instrumentation ... 04920
- Transformers, Thermal variables measurement, Additives, Paraffin, Testing ... 05856
- Transmission lines, Insulators, Coolants ... 02475

Oil refining,
- Gases, Chromatography, Identification, Reliability, Transformers ... 05855
- Hydrocarbon processing, Equipment, Recycling, Instrumentation, Process control ... 03616
- Pipelines, Telemetry, Leak detection, Microprocessors ... 04587

Oil spills,
- Aircraft, Remote sensing, Environmental monitoring, Photography ... 00534

Oil wells,
- Induction motors, Pumps, Thermal insulation, Cables ... 05070
- Radar, Tracking, Research and development, Drilling, Mapping ... 06296
- Recording systems, Instrumentation, Depth measurement, Filtering, Performance ... 03527
- Systems design, Telemetry, Offshore structures, Telecommunications ... 04586

Online systems,
- Access, Communication networks, Economics, Programming languages, Data bases ... 02997
- Acoustic variables measurement, Parameter estimation, Bayesian analysis ... 06853
- Automatic control, Power plants, Maintenance, Reliability ... 04928
- Banking, Personal computers, Electronic funds transfer ... 07089
- Communication networks, Data processing, Marine engineering, Navigation ... 03090
- Computer aided control, Power supply, Security, Monitoring ... 01866
- Data collection, Clinical medicine, Radiology, Tektronix 4054 ... 05294
- Data collection, Electrolysis, Noise, Error, Regression analysis ... 05135
- File management, Minicomputers, Computer crime, Micrographics, Access ... 00602
- Health care, Data processing, Information systems ... 05303
- Monitoring, Radar, REDICAL ... 07864
- Monitoring, Wastes, Radioisotopes, Nuclear power plants ... 04991
- Peripheral devices, Programmable controllers, ES computer ... 06895
- Silicon, Electron beams, Data transmission, Logic circuits, Arrays ... 02867
- Telephones, Information services, Electronic mail, Videotex ... 06262

Operations research,
- Automation, Aircraft, Scheduling, Traffic ... 00465
- Electric power generation, Dynamic programming, Hierarchies, Loading ... 06682
- Probability, Electric power generation, Planning, Loading, Reserves ... 00235

Optical analysis,
- Absorption, Thin films, Solar cells, Silicon hydride, Short circuits ... 05001
- Anodes, Charge mobility, Logic circuits, Metal insulator semiconductors ... 01227
- Argon, Magnetohydrodynamics, Heat transfer, Plasmas ... 03320
- Cadmium selenide, Spraying, Dark conduction, Hall effect, Photoelectric effect ... 07334
- Cavities, Pulse generation, Lasers, Harmonics ... 00888
- Dielectrics, Waveguides, Semiconductor lasers, Heterostructures, Perturbation ... 04013
- Diffraction, Electric fields, Transformations, Maggi-Rubinowicz method ... 01623
- Dye lasers, Electrooptics, Pulse generation, Pumping, Dissertation ... 07434
- Energy bands, Magnetic fields, Thin films, Semiconductors ... 00319
- Feedback, Gain, Lasers ... 00919
- Fiber optics, Communications, Speckle, Contrast ... 09379
- Fourier transforms, Resonators, Lasers, Pumping, Dissertation ... 09123
- Frequency, Modulation, Diffraction gratings, Coding ... 00880
- Heat treatment, Hydrogen, Ions, Vibration, Dye lasers, Dissertation ... 01009
- Heterojunctions, Absorption, Solar cells, Dissertation ... 00799
- Heterojunctions, Solar cells, Thin films, Photovoltaics, $CdS/CuInSe_2$ ... 07268
- Image processing, Satellites, Ecology, Oceanography ... 00560
- Image processing, Speckle, Displacement ... 00887
- Injection, Lasers, Noise, Spectral analysis ... 07350
- Ion microprobes, Design, Lenses, Electrodes ... 07315
- Lasers, Amplifiers ... 08808
- Lasers, Computer applications, Gases, Dissertation ... 05788
- Lasers, Spectral analysis, Amplifiers ... 00921
- Membranes, Thermal variables measurement, Radiation, Gases ... 05150
- Millimeter waves, Image processing, Lenses, Antennae ... 08121
- Millimeter waves, Interferometers, Dielectricity, Materials testing ... 03487
- Photovoltaics, Modules, Design ... 06980
- Polarization, Fiber optics ... 09391
- Quantum physics, Electromagnetic fields ... 00017
- Reflectors, Diffraction, Numerical analysis ... 08132
- Silver halide, Fiber optics, Attenuation, Wave propagation ... 07725
- Solar cells, Amorphous materials, Silicon, Schottky barriers ... 07281

Optical character recognition,
- Cartography, Automation, Performance, Structural analysis ... 00550
- Computer graphics, Information processing, Standards, Government agencies ... 05685
- Data processing, Pattern recognition, Optical correlators ... 05728
- Image processing, Electrooptics ... 00842
- Networks, Office automation, Economics ... 05419
- Pattern recognition, Data collection, Image processing ... 00892
- Pattern recognition, Scanning, Input output, Image processing ... 02575
- Simulation, Pattern recognition, Filters ... 00654

Optical communications,
- Bipolar devices, Multiplexers, Integrated circuits, Optimization, Simulation ... 09282
- Cables, Underwater technology, Reliability, Costs ... 09347
- Channels, Signal processing, Lasers, Modulation, Research and development ... 07905
- Channels, Signal processing, Modulation, Pulses, Detection ... 09557

Optical communications, (continued)
- Connectors, Modulation, Heterostructure lasers ... 090
- Converters, Structural analysis, Silicon, Liquid crystals, Performance ... 072
- Data transmission, Fiber optics, Alignment, Splicing ... 093
- Fiber optics, Amplifiers, Receivers ... 093
- Fiber optics, Data transmission, Codes ... 045
- Fiber optics, Data transmission, Networks ... 013
- Fiber optics, Design, Data transmission ... 093
- Fiber optics, Fabrication, Fusion, Cables, Splicing ... 093
- Fiber optics, Heterostructure lasers, Data transmission ... 093
- Fiber optics, Laser diodes, Performance, InGaAsP/InP ... 093
- Fiber optics, Multiplexers, Lenses, Fabrication ... 093
- Fiber optics, Phase shift keying, Research and development ... 093
- Fiber optics, Ships, Remote sensing, Sensors, Standards ... 077
- Fiber optics, Signal processing, Wave propagation ... 061
- Fiber optics, Telecommunications, Data transmission ... 093
- Fiber optics, Televisions, Signal transmission ... 093
- Fiber optics, Wavelengths, Characterization ... 093
- Filtering, Color, Detection, Pattern recognition, Identification ... 079
- Gallium arsenide, Lasers, Diodes, Reliability ... 093
- Germanium, Photodiodes, Design, Fabrication, Testing ... 072
- Image processing, Computed tomography, Amplitude, Diffraction, Coherence ... 073
- Image processing, Computed tomography, Frequency, Rotation, Microwaves ... 073
- Image processing, Fourier transforms, Scattering, Holography ... 073
- Image processing, Mixers, Waves, Materials testing, Photorefractive materials ... 073
- Image processing, Modulation, Materials testing, Performance ... 072
- Image processing, Processors, Color, Coding, Interactive systems ... 073
- Image processing, Signal processing, Electromagnetics, Modulation, Switching ... 073
- Image processing, Signal transmission, Modulation, Input output ... 073
- Image processing, Silicon, Liquid crystals, Structural analysis ... 073
- Information processing, Color, Encoding, Systems analysis ... 073
- Information processing, Noise, Parallel processing, Electronic equipment ... 077
- Liquid crystals, Physical properties, Converters, Voltage, Performance ... 072
- Matrices, Arrays, Architecture, Bipolar devices ... 073
- Metal oxide semiconductors, Transistors, Mirrors, Deformation, Modeling ... 073
- Modeling, Channels, Coupling, Amplitude, Signal to noise ratio ... 013
- Modeling, Image processing, Modulation, Crystals, Converters ... 073
- Multiplexing, Systems design ... 093
- Multiplexing, Wavelengths, Fiber optics ... 093
- Phototransistors, Sensitivity ... 007
- Processors, Filtering, Matching, Performance ... 073
- Radiometers, Detection, Noise, Impedance, Amplifiers ... 013
- Relaxation, Estimation, Signal processing, Modulation, Waveforms ... 073
- Signal processing, Modulation, Frame synchronization ... 077
- Signal processing, Weighting, Integrals, Systems analysis, Modeling ... 045
- Software development, Performance, Filtering, Delay, Accumulators ... 073
- Transmission, Noise, Error detecting codes ... 077

Optical devices,
- Diamond tools, Turning, Process development ... 025
- Integrated circuits, Fabrication, Electrooptics, Waveguides, Lithium niobate ... 026
- Materials planning and control, Current, Electrodes, Integrated circuits ... 027
- Microelectronics, Metrology, Microcomputers, Computer aided manufacturing ... 023

Optical properties,
- Attenuation, Fiber optics, Design, Cables ... 077
- Coatings, Photovoltaics, Solar energy, Research and development ... 066
- Feedback, Modulation, Transient response, Semiconductor lasers, Communications ... 040
- Fiber optics, Fabrication, Performance, Refractive indices ... 077
- Films, Spectral analysis, Solar collectors, Solar energy ... 066
- Glass, Waveguides, Oxides ... 043
- Heterojunctions, Diodes, Liquid phase epitaxy, $P\cdot ZnSnAs_2/n\cdot ZnSe$ ... 039
- Lactose, Second harmonic generation ... 067
- Reflection, Semiconductor lasers, Resonators, Thresholds ... 040
- Solar energy, Absorption, Electrodeposition, Black chrome ... 033
- Theoretical analysis, Lasers, Stress, Thermal variables measurement ... 057
- Transparency, Surface properties ... 032
- Ultraviolet, Rare earths, Doping, Crystals, Glass ... 072
- Waveguides, Computer aided analysis, Research and development ... 077

Optical storage,
- Aberrations, Thickness control, Protection ... 015
- Arrays, Diodes, Memory, Recording systems, Lasers ... 090
- Cost benefit analysis, Information retrieval, Lasers, Disks ... 008
- Density, Performance ... 006
- Density, Records management, Bubble memory ... 015
- Disk drives, Servomechanisms, Design, Performance, Actuators ... 081
- Disks, Coding, Systems design ... 015
- Disks, Gallium aluminum arsenide, Semiconductor lasers ... 014
- Disks, Memory, Capacity ... 014
- Disks, Recording systems, Lasers ... 015
- Disks, Recording systems, Tellurium, Thin films ... 015
- Disks, Technology, Classification ... 014
- Films, Hydrogen, Semiconductors ... 015
- Focusing, Automatic control, Control systems ... 014
- Gas lasers, Computer aided control, Data management systems ... 014
- Illumination, Recording systems, Focusing ... 0151
- Information retrieval, Magnetic storage, Technological forecasting ... 006
- Lasers, Actuators, Lenses ... 015
- Lasers, Cutting, Replication, Polymers ... 0151
- Lasers, Recording systems, Materials testing ... 014
- Lasers, Structural analysis, Microlithography, Transmission electron microscopy ... 0231
- Magnetic variables control, Glass, Erasable memory, Testing ... 0917
- Magnetic variables control, Thermal variables control, Thin films, Cameras ... 089
- Materials testing, Sensitivity, Service life ... 015
- Memory, Automatic control, Tracking, Microprocessors ... 014
- Memory, Gas lasers, Computer aided control ... 0087
- Monitoring, Tracking, Recording systems ... 015
- Noise, Lasers, Modulation, Simulation, Semiconductors ... 090

ical storage, (continued)
uality control, Wave propagation, Aberrations, Interferometers 01504
ecording systems, Bubble memory, Memory 01506
ecording systems, Classification, Performance 01517
ecording systems, Error, Diode lasers 01491
ecording systems, Lenses 01505
ecording systems, Polymer, Coatings, Oxidation 01514
ecording systems, Thin films, Heat treatment, Chemical reactions 01511
ecording systems, Video systems, Tellurium oxide, Thin films 01338
esearch and development, Lasers 05659
imulation, Recording systems, Sensitivity 01497
pectral analysis, Magnetic systems, Kerr effect, Thermodynamics, Magnetooptics 01520
erbium ferrite, Thin films, Erasability, Glass 01513
hin films, Etching, Lasers 01512
hin films, Recording systems, Magnetic systems, Stability 01519
ideodiscs, Technological forecasting, Data processing, Image processing 00898
ideodiscs, Video systems, Gaussian distribution, Intensity 01344
ideodisks, Office automation, Information retrieval 02923
tical systems,
esign, Alignment, Cost benefit analysis 00872
esign, Alignment, Lasers, Distance measurement, Military engineering 00990
esign, Infrared, Lasers, Distance measurement 00991
esign, Lasers, DIVAD, Weapons, Military engineering 00811
esign, Materials testing, Thermal variables measurement, Astrophysics 00281
luorescence, Design, Optimization, Service life 03959
olography, Interferometry, Fiber optics, Focusing 00995
mage processing, Signal processing, Systems design, Dissertation 00883
mage processing, Wave propagation, Electromagnetic fields 00885
enses, Quality control, Interferometry 00874
etal halides, Acoustics, Resonance, Frequency 04296
ptics, Theoretical analysis 07436
ptimization, Photolithography 02538
hotoresists, Performance, Contrast, Image processing 02540
efractometers, Design 03950
ungsten, Diffusion, Noble gases 03958
tical variables control,
onductors, Transmittance, Reflectance, Infrared, Electrodeposition 00712
lass, Waveguides, Oxides 04319
tical variables measurement,
ommunications, Fiber optics, Design 01325
olography, Surface properties, Quartz, Photoresists 07439
tics,
berrations, Diffraction gratings, Image processing, Interferometry 07362
coustics, Lasers, Signal processing, Waves 09540
coustics, Receivers, Channels, Calibration, Noise 08927
erosols, Troposphere, Remote sensing, Lidar, Dissertation 09512
lgebra, Supercomputers, Matrices, Signal processing, Research and development 02296
lignment, Telescopes, HEL, Lasers, Design 00810
mplifiers, Waveguides, Thin films, Sputtering 09358
ntennae, Far infrared, Image processing, Detectors, Dissertation 06734
rc welding, Monitoring, Cameras, Image processing 08955
rc welding, Structural analysis, Hydrogen, Flow of gases, Defect detection 05689
rtificial intelligence, Industry, Vision, Machine vision systems 03990
andwidths, Differential equations, Waveguides, Regression analysis 02646
ar codes, Reliability, Electronic equipment, Design, Research and development 02569
athymetry, Sonar, Scanning, Signal processing, Displays 06307
ipolar devices, Transistors, Electronic equipment, Technology 04398
istability, Integrated circuits, Light emitting diodes, Transistors 08903
istability, Photons, Statistical analysis, Resonators, Lasers 03952
istability, Semiconductors, Fabry-Perot devices 09178
alibration, Scanners, Data collection, Statistical analysis, Oceanography 05369
ameras, Computer aided control, Microcomputers, Automation, Photography 02577
ameras, Meteorology, Instrumentation, Testing 08697
ameras, Telescopes, Testing, Computer programs, Data collection 06954
arrier waves, Thermal variables measurement, Heterostructure lasers 00941
hannels, Telecommunications, Interference, Lasers, Performance 05777
ircuitry, Impedance, Integrated circuits, Waveguides, Dissertation 01053
ircuitry, Output devices, Input devices, Microcomputers, Interfaces 00597
oatings, Surface properties, Lasers, Technology, Measurement 09033
olor, Displays, Televisions 04575
ommunications, Fiber optics, Bandwidths, Optimization 07771
ommunications, Fiber optics, Solitons, Schrodinger equations 06146
ommunications, Multiplexing, Telephones, Networks, Design 07763
omputer aided design, Vision, Diffraction, Computer programs, Dissertation 00870
ryogenics, Memory, Density, Photochemistry 05710
ata communications, Circuitry, Waveguides 05823
esign, Quality control, Aircraft engineering, Simulation, Displays 08885
esign, X-rays, Ultraviolet, Zone plates 05053
iffraction, Harmonics, Electric fields, Liquid crystals 08958
lectric variables measurement, Transducers, Voltage 07499
lectron microscopy, Biology, Image processing 05701
lectronic equipment, Pattern recognition, Image processing, Automation 05684
lectrostatics, Boundary value problems, Lenses, Least squares estimation 05082
ncoders, Design, Resolution, Research and development 06362
xcitation, Far infrared, Lasers, Pumping 07363
abrication, Machining, Precision engineering 03978
abrication, Precision engineering, Machining, State of the art 03991
iber optics, Silicon dioxide, Chemical vapor deposition, Fluid mechanics 01337
inite element method, Waveguides, Electromagnetics, Wave propagation 04314
requency, Lasers, Waves, Vibration, Measurement 04036
allium arsenide, Transistors, Structural analysis, Electrons, Scattering 04395
as dynamics, Interferometry, Density, Shock waves 00869
armonics, Diffraction, Numerical analysis, Cutting 00867
olography, Image processing, Nondestructive testing, Pattern recognition 05775
olography, Image processing, Rainbow holograms 09047
olography, Image processing, Research and development 07429

Optics, (continued)
Holography, Reflectors, Polarization, Plasma heating 06630
Illumination, Image processing, Photodevices 08954
Illumination, Solar cells, Degradation, Stability 00790
Image processing, Aberration, Reflection, Wave propagation, Dissertation 06414
Image processing, Coding, Displays, Noise, Dissertation 06131
Image processing, Error, Plotters, Recording systems 06133
Image processing, Germanium, Lenses, Surface properties, Veiling glare 00878
Image processing, Information systems, Computer aided control, Kodak 06158
Image processing, Integrated circuits, Interconnections 00896
Image processing, Picture tubes, Three dimensionality, Televisions 02969
Image processing, Pixels, Functions, Flow, Numerical analysis 05712
Image processing, Quality control 05660
Image processing, Radiance, Pixels, Scattering, Statistical analysis 00538
Image processing, Scene analysis, Parameter estimation, Flow, Dynamics 05724
Image processing, Sensors, Parameter estimation 02570
Image processing, Sensors, Pattern recognition 00413
Image processing, Signal processing, Noise, Filters 00881
Image processing, Stability, Oscillation, Feedback 00889
Image processing, Targets, Turbulence, Prediction, Modeling 06161
Indium tin oxide, Thin films, Evaporation, Photodevices 02517
Information retrieval, Optical storage, Lasers, Disks 00891
Infrared, Gas lasers, Surface properties, Materials testing 09026
Inspection, Nondestructive testing, Frequency, Transducers, Surface properties 05841
Inspection, Production control, Nondestructive testing, Photoelectric scanners 05690
Integrated circuits, Algorithms, Image processing, Radar 09276
Integrated circuits, Lasers, Signal processing, Integrated systems 00987
Interferometers, Lenses, Reflection 08953
Josephson junctions, Controllers, Structural analysis, Memory, Technology 05799
Lasers, Bearings, Surface properties, Slip, Lubricants 09036
Lasers, Carbon dioxide, Thermodynamics, Gallium arsenide, Density 05772
Lasers, Coupling, Spectral analysis 07367
Lasers, Coupling, Wave propagation 07338
Lasers, Marine engineering, Communication networks, Filters, Submarines 05468
Lasers, Plasmas, Metals, Surface properties, Absorption 05791
Lasers, Printers, Computer graphics, Scanning, Image processing 09039
Lenses, Telescopes 08915
Lenses, Waves, Radiation, Turbulence 04804
Light scattering, Spectroscopy, Particles, Aerosols 02573
Liquid crystals, Microwaves, Microcomputers, Holography, Scanning 08068
Lithium niobate, Waveguides, Titanium, Diffusion, Performance 05825
Logic circuits, Semiconductors, Field effect transistors, Microwaves 00041
Materials testing, Design, Thermal variables measurement, Astrophysics 00281
Matrices, Algebra, Factor analysis, Arrays, Image processing 07308
Measurement, Lasers, Boundary layers, Supersonic flow 00359
Measurement, Mirrors, Interferometry 00877
Meteorology, Radiation, Astronomy, Refraction, Modeling 08700
Meteorology, Snow, Measurement, Research and development 03726
Metrology, Scanning, Mirrors 00245
Microcomputers, Personal computers, Programming, Technology, Economics 03987
Microcomputers, Photography, Cameras, Films, Digitizing 01333
Micrographics, Technical drawing, Engineering 02572
Microwaves, Semiconductors, Liquid phase epitaxy, Molecular beam epitaxy 09179
Microwaves, Sensors, Microelectronics, Electromagnetic waves 03526
Niobates, Ceramics, Anisotropy 05885
Nondestructive testing, Acoustics, Lenses, Materials testing, Dissertation 06849
Nondestructive testing, Mechanical strength, Plates, Moire method 08388
Oceanography, Spectral analysis, Surface properties, Remote sensing 07052
Office automation, Data transmission, Storage, Decision making 06211
Optical devices, Couplers, Gallium arsenide, Fabrication 03951
Optical systems, Theoretical analysis 07436
Pattern recognition, Diodes, Computer graphics, Packaging 02534
Pattern recognition, Interferometry, Diffraction gratings, Moire patterns 08947
Pattern recognition, Modulation, Performance, Optimization, Dissertation 05692
Pattern recognition, Single crystals, Polymers 08910
Pattern recognition, Underwater technology, Photography, Automation 01535
Photodevices, Radiometers, Infrared, Visible range 05720
Photoelasticity, Instrumentation, Position control, Polariscopes 05661
Photometers, Spectral analysis, Microcomputers, Kinematics, Dissertation 03982
Physics, Spectroscopy, Radiation, Measurement, Waves 08439
Precision engineering, Measurement, Machinery 05058
Printing, Illumination, Image processing, Integrated circuits, Masks 02839
Probes, Fabrication, Image processing, Quadrupole systems 03968
Processors, Partial differential equations, Feedback, Image processing 00894
Production, Quality control, Assembling, Robots, Inspection 06942
Propellants, Mixing, Combustion, Power plants, Flow 05785
Pulse code modulation, Signal transmission, Wavelengths, Channels, Reliability 01319
Radar, Mapping, Image processing, Geology, Interactive systems 07028
Radiation, Amplification, Electrodes, Gas lasers 09015
Radiation, Instrumentation, Detection, Numerical analysis 05722
Radiation, Reflection, Baffles, Design 00873
Radiation, Thermometers, Reliability, Electronic equipment 03966
Radios, Metrology, Interferometry, Rotation, Time measurement 09320
Reflection, Anisotropy, Angular measurement, Remote sensing 08657
Reflection, Filters, Design, Infrared 00278
Reflectors, Prisms, Neodymium, YAG lasers 07419
Refractive indices, Lasers, Focusing, Water 00844
Refractive indices, Switching, Dielectrics, Interfaces 05890
Research and development, Automation, Lithography, Electron beams 05778
Resonators, Lasers, Diffraction, Loss 07422
Robots, Vision, Sensors, Semiconductors, Materials testing 06911
Rubidium, Atoms, Pumping, Photodevices 07420
Safety systems, Offshore structures, Illumination, Standards 02525
Satellite communications, Data transmission, Performance, Coding, Modeling 07964
Scanning, Interferometers, Infrared, Lenses 00875
Schottky diodes, Fabrication, Sensors, Detection, Dynamics 07267

Optics, (continued)
Semiconductor lasers, Design, Wave propagation, Cost benefit analysis 05758
Semiconductor lasers, Stability, Switching, Computer aided analysis 05761
Sensors, Arc welding, Optimal control 00443
Sensors, Measurement, Hydrogen ions 07296
Sensors, Metals, Films, Gases, Surface plasmon resonance 03546
Sensors, Surface properties, Transducers, Robots, Assembling 07512
Sensors, Telescopes, Radiation, Tracking, Automation 05847
Signal processing, Coding, Fourier analysis, Diffraction, Dissertation 05662
Signal processing, Interferometers, Spectral analysis, Simulation 07290
Signal processing, Machinery, Rotation, Vibration, Testing 00861
Signal processing, Pattern recognition, Transformations, Processors 07693
Silicon, Diffraction gratings, Etching, Waveguides 07336
Sodium chloride, Potassium chloride, Single crystals, Heat treatment, Lasers 08949
Solar energy, Lasers, Spacecraft, Lenses, Velocity 05776
Space technology, Remote sensing, State of the art 04339
Spacecraft, Electronic equipment, Failure, Thrusters, Research and development 08596
Stability, Resonators, Cavities, Mathematical models 06470
Surface properties, Cross sectional measurement, Bragg scattering 08654
Surface properties, Pattern recognition, Probes 00866
Surface properties, Tribology, Holography 03554
Surface roughness, Nondestructive testing, Inspection, Quality control 02558
Surface texture, Image processing, Tracking, Erosion, Statistical analysis 00897
Telescopes, Automation, Scanning, Minicomputers, Photography 00377
Telescopes, Image processing, Optimization 07333
Televisions, Gauges, Measurement, Remote sensing, Strain 01382
Televisions, Yoke design, Picture tubes, Displays, Color 02484
Thermometers, Stability, Process control, Transducers, Maintenance 05035
Tracking, Filters, Signal processing, Performance, Algorithms 05721
Tracking, Position control, Modeling 02563
Transducers, Circuitry, Magnetic variables measurement, Current voltage, Lasers 09158
Transducers, Magnetics, Oscillation, Stability 06840
Transfer functions, Imaging, Standards 02579
Transmission lines, Modulation, Admittance, Circuitry, Numerical analysis 04301
Velocity, Wave propagation, Switches, Modulators 08912
Vision, Mathematical models, Signal processing, Amplitude, Kinematics 05331
Vision, Robots, Pattern recognition, Systems design 00416
Wave propagation, Diffraction, Polarization, Holography, Recording systems 09044
Wave propagation, Radiation, Matrices, Eigenvalues 04308
Waveguides, Anisotropy, Finite element method, Numerical analysis 08023
Waveguides, Circuitry, Fabrication 04309
Waveguides, Coupling, Electromagnetics, Wave propagation 08066
Waveguides, Fiber optics, Polarization, Mathematical models 09388
Waveguides, Gas lasers, Pulse generation, Signal processing 05822
Waveguides, Ion beams, Etching, Lithium niobate, Niobium oxide 09119
Waveguides, Nonlinear systems, Field equations, Equations of motion 09114
Waveguides, Zinc oxide, Thin films, Structural analysis 05698
Optimal control,
Aircraft engineering, Attitude control, Modeling 03645
Arc welding, Optics, Sensors 00443
Functions, Numerical analysis 08517
Machine tools, Wear, Sensors, Dissertation 01071
Manipulators, Robots, Modeling 05179
Marine engineering, Ships, Guidance and control systems 05224
Missiles, Guidance and control systems, Pulses, Motors, Algorithms 03630
Motor vehicles, Transmission systems 05428
Numerical analysis, Lagrangian functions, Approximations, Matrices 08515
Protocols, Communication networks, Traffic, Routing 04620
Satellites, Attitude control 08602
Solar collectors, Position control, Computer aided analysis 05000
Solar energy, Thermal variables control 04998
Stochastic processes, Linear systems, Probability, Vectors 08543
Turbogenerators, Feedback, Torque control, Voltage control 04887
Utilities, Electric power distribution, Economics 08348
Weighting, Numerical analysis 08516
Optimization,
Aircraft, Guidance and control systems, Stability, Quality control 06967
Aircraft, Helicopters, Frequency, Vibration, Structural analysis 05250
Aircraft, Navigation, Extrapolation, Filtering, Algorithms 04697
Antennae, Design, Waveguides 06490
Antennae, Electromagnetic fields, Pulses, Radiators 03249
Antennae, Tokamaks, Heating systems, Shielding 06675
Antennae, Waveguides, Coupling, Computer aided analysis 06483
Arc furnaces, Automatic control, Voltage, Ampere, Feedback 03460
Attitude control, Spacecraft, Actuators 06956
Attitude control, Spacecraft, Dissertation 00479
Automation, Spectrometers, Dissertation, Atomic absorption spectrometry 06790
Bandwidths, Fiber optics, Optics, Communications 07771
Bandwidths, Filters 00647
Bipolar devices, Multiplexers, Integrated circuits, Optical communications 09282
Branch and bound method, Electric power transmission, Planning, Costs 01762
Buildings, Solar collectors, Solar energy 03359
Carbon dioxide, Gas lasers, Corona discharges, Ionization 07402
Carbon dioxide, Gas lasers, Ultraviolet, Ionization 00975
Ceramics, Capacitors, Costs, Microelectronics 05574
Charge coupled devices, Image processing, Registers, Photodevices 07312
Codes, Embedding 01586
Communication networks, Routing, Parallel processing, Graphs, Algorithms 02300
Computer aided control, Metrology, Reliability, Measurement errors 00244
Computer aided control, Transmission lines, Security, Economics 08182
Computer aided design, Electronic equipment, Circuitry, Performance 03738
Computer programs, Microwaves, Noise, Delay, Circuitry 03239
Control systems, Converters, Microcomputers, Noise, Testing 03878
Control systems, Current voltage, Commutation, Pulse generation 06560
Control systems, Reliability, Modeling, Errors, Dissertation 06931
Controllers, Missiles, Simulation, Dissertation 08625
Optimization, (continued)
Controllers, Stability, Modeling 00
Convergence, Difference equations, Filtering, Control systems, Stability 06
Converters, Design, Power, Capacitors 06
Copper, Lasers, Excitation, Frequency, Pressure 07
Data transmission, Signal processing, Noise, Channels, Radio frequency 047
Design, CMOS, Bipolar transistors, Latching 09
Design, Dielectrics, Waveguides, Radiation loss, Volume current method 07
Design, Insulators, Vacuum technology, Electric fields, Dissertation 05
Design, Solar collectors, Dynamic programming 03
Detectors, Nonlinearity 00
Dielectrics, Permittivity, Measurement, Resonators 08
Dipole antennae, Frequency, Voltage 08
Dissipation, Conductors, Cross sectional measurement 04
Dissipation, Transmission lines, Capacitors, Switching, Voltage 017
Dynamic programming, Scheduling, Power systems, Seasonal reservoir scheduling 05
Electric power distribution, Economics, Numerical analysis 08
Electric power generation, Aggregation, Modeling, Dissertation 01
Electric power generation, Dynamic programming, Hierarchies, Loading 06
Electric power generation, Flow, Modeling, Voltage, Algorithms 017
Electric power generation, Planning, Finance, Organization and methods 06
Electric power generation, Planning, Mixing, Technology, Energy 048
Electric power generation, Power systems, Plant and factory layout 00
Electric power generation, Scheduling, Integer programming, Duality, Relaxation 05
Electric power generation, Scheduling, Security, Economics, Automation 018
Electrical resistance, VDMOS, Power transistors, Surface structure 044
Electroplating, Films, Alloys, Acids, Thermal variables control 033
Energy conservation, Economics, Eddy current, Frequency 083
Feedback, Controllers, Boundary value problems 051
Fiber optics, Manufacturing, Costs 093
Fiber optics, Networks, Couplers, Costs 093
Fiber optics, Telecommunications, Light emitting diodes 079
Filters, Design, Current voltage, Structural analysis, Numerical analysis 038
Filters, Design, Two dimensionality, Polynomials, Stability 023
Filters, Least squares estimation, Design, Trees, Minimax 038
Filters, Minimization, Error, Functions, Dissertation 037
Filters, Tracking, Radar, Parameter estimation, Numerical analysis 062
Fluorescence, Optical systems, Design, Service life 039
Focusing, Image processing, Fiber optics, Interferometry 008
Frequency, Signal to noise ratio, Channels, Allocation 079
Gallium arsenide, Doping, IMPATT diodes 059
Gallium arsenide, Solar cells, Performance, Design 056
Gas lasers, Discharges, Circuitry, Design, Relays 089
Gas lasers, Nitrous oxide, Excitation, Additives 074
Guidance and control systems, Actuators, Sensors 052
Heterostructure lasers, Lead tin telluride, Current density, Temperature 009
Hydroelectric power generation, Economics, Scheduling, Resource management 066
Hydrogen, Masers, Performance, Magnetic fields, Atoms 089
Image processing, Pattern recognition, Optical character recognition 008
Image processing, Problem solving, Functions, Multipole method 068
Indium phosphide, Gunn effect, Oscillators, Amplifiers, Millimeter waves 055
Induction motors, Design 016
Induction motors, Design 065
Injection, Modulation, Transistors, Magnetic fields 059
Input output, Filters, Design, Recursion, Structural analysis 023
Integrated circuits, Antennae, Integral equations, Radiation, Dipoles 000
Integrated circuits, Compilers, Computer aided design, High level languages 059
Integrated circuits, Reliability, Failure, Thermodynamics 045
Inverters, Design, Circuitry, Voltage, Performance 088
Josephson effect, Memory, Cells, Design 092
Large scale integration, Circuitry, Bipolar devices, Modeling, Oxidation 060
Lasers, Etching, CMOS, Integrated circuits, Performance 090
Magnetic fields, Finite element method, Computer aided analysis 068
Magnetics, Recording systems 058
Magnetics, Recording systems, Thin films, Computer aided analysis 091
Magnetohydrodynamics, Solenoids, Design, Numerical analysis, Magnetic fields 066
Manipulators, Control systems, Algorithms, Dynamics, Dissertation 004
Metal oxide semiconductors, Packaged components, Integrated circuits 028
Missiles, Guidance and control systems, Design, Performance 052
Modules, Large scale systems, Modeling, Artificial intelligence 006
Networks, Sensitivity, Filters, Decomposition, Matrices 054
Noise, Modeling, Approximations, Detection, Numerical analysis 0631
Nuclear power plants, Estimation, Control systems, Modeling 033
Nuclear power plants, Loading, Modeling, Control systems 066
Numerical analysis, Signal processing, Time measurement 031
Ohmic contacts, Gallium arsenide, Fabrication, Alloys 093
Optical systems, Photolithography 025
Optics, Pattern recognition, Modulation, Performance, Dissertation 056
Oscillators, Lasers, Wigglers 009
Performance, Antennae, Arrays 048
Polysilicon, Solar cells, Fabrication, Photochemistry 072
Position control, Motors, Drives, Simulation 000
Power plants, Capacitors, Electric power distribution 0827
Power plants, Voltage, Scheduling, Security, Buses 0177
Power systems, Capacitors, Voltage, Transformers, Induction motors 0835
Power systems, Networks, Frequency, Stability 0826
Prediction, Error, Filters, Minimization 0066
Probability, Fault detection, Circuitry, Input 0125
Production planning, Electric power generation, Sweden 0339
Programming, Logic circuits, Arrays, Silicon, Computer programs 0446
Propellers, Wind turbines, Design, Loading 0486
Propulsion, Spacecraft, Acceleration, Computer aided analysis 0527
Queueing theory, Communication networks, Switching, Buffers, Dissertation 0320
Radar, Polarization, Signal processing, Antennae, Microwave devices 0153
Random access memory, Transistors, Circuitry, Frequency, Control systems 0445
Rapid transit systems, Propulsion, Linear synchronous motors 0169

timization, (continued)
Receivers, Avalanche photodiodes, Heterostructures, InGaAs/InP 05602
Robots, Manipulators, Controllers, Modeling, Dissertation 03610
Robustness, Control systems, Numerical analysis, Loops 05175
Satellite communications, Simulation, Networks, Modeling, Protocols 04614
Semiconductor lasers, Structural analysis, Design, Mode selection 07389
Semiconductors, Field effect transistors, Modeling, Fabrication, Performance 04422
Signal detection, Duobinary signaling 06348
Signal processing, Parameter estimation, Multivariable systems, Controllers 05221
Signal to noise ratio, Spectrometers, Nuclear magnetic resonance 05043
Signal transmission, Channels, Satellite communications, Scheduling, Delay 07811
Signal transmission, Satellites, Transponders, Computer aided control 01289
Silicon, Solar cells, Voltage, Coatings 03935
Simulation, Bipolar devices, Metal oxide semiconductors, Computer programs 02817
Simulation, Communication networks, Filters, Impedance, Amplifiers 00648
Simulation, Hydroelectric power generation, Water supply, Meteorology 03380
Simulation, Systems design, Signal processing 07900
Size measurement, Electric power generation, Magnetohydrodynamics, Channels 00157
Solar collectors, Energy storage components, Fluid mechanics, Heat transfer 01828
Solar collectors, Performance, Power systems, Cost benefit analysis 08336
SQUID, Noise, Capacitance, Josephson junctions, Computer aided analysis 05798
Stability, Controllers, Design, Simulation, Feedback 04954
Switching, Networks, Dissertation 08794
Systems design, Induction motors, Voltage, Energy conservation 01697
Telephones, Circuitry, Signal processing, Power systems 08359
Telescopes, Optics, Image processing 07333
Thermal conductivity, Fluidics, Solar collectors 01823
Thermometers, Thermal variables measurement, Radiometry 05036
Transformations, Modeling, Synthesis, Parameter estimation, Filtering 01543
Transmission lines, Relays, Power systems, Protection 08207
Transportation, Control systems, Frequency, Signals, Modeling 07102
Transportation, Railway engineering, Scheduling, Automation 02347
Trunking, Design, Satellite communications 03004
Weighing, Antennae, Arrays, Beamforming, Algorithms 00056
toelectronics,
Fabrication, Circuitry, Gallium arsenide 09220
Gallium arsenide, Integrated circuits, Connectors 08908
Gallium arsenide, Integrated circuits, Connectors, Fabrication 08922
Integrated circuits, Modulation, Bandwidths 08909
Processors, Buffers, Storage, Memory, Algorithms 00813
Technology, Research and development, Logic circuits 08907
Waves, Radiation 00828
tometers,
nfrared, Refraction, Eyes 02156
ganic compounds,
Superconductivity, Temperature, Pressure 01012
ganization and methods,
Communications, Integrated systems, Terminals, Office automation 06095
Electric power generation, Planning, Optimization, Finance, Modeling 06681
Image processing, Reconstruction, Beam hardening, Quality control 06993
Local area networks, Data bases, Channels 02996
Machinery, Monitoring, Inspection, Technology, Electronic equipment 05551
Mapping, Distributed systems, Security, Modeling, Stability 06098
Office automation, Technology, Telecommuting 05403
Office automation, Telephones, Networks, Maintenance, Automatic testing 04668
Satellites, Business forecasting, Technological forecasting, Space technology 02988
Solar energy, Power plants, Software development, Simulation, Thermodynamics 07277
Standards, Government policies, Telecommunications 03035
Systems analysis, Stability, Testing 08542
Telecommunications, Government regulations, United States, AT&T 07675
Thermodynamics, Storage, Electric power generation, Space heating 06674
scillation,
Acoustic waves, Velocity, Ultrasonics 01997
Acoustics, Combustion, Stability, Pressure, Dissertation 03515
Acoustics, Electromagnetic waves, Zinc, Strain 00340
Atomic physics, Time measurement, Noise, Clocks, Dissertation 00358
Automation, Frequency, Measurement, Microcomputers, Damping 01919
Carbon dioxide, Gas lasers, Resonators, Modes, Refractive indices 07399
Carrier mobility, Modulation, Noise, Capacitors, Metal oxide semiconductors 03895
Circuitry, Bifurcation, Equilibrium, Simulation 07149
Circuitry, Inverters, Modeling 02417
Circuitry, Inverters, Modeling 05484
Composite materials, Vibration, Transducers, Inspection, Loading 05840
Computer graphics, Interactive systems, Displays, Terminals, Control systems 02305
Copper chloride, Intercalation compounds, Carbon, Electrical resistivity 05563
Current, Magnetic fields, Capacitors, Metals 05576
Cyclotrons, Pulse generation, Electron beams, Lasers, Resonators 01066
Damping, Power systems, Thyristors, Control systems, VAr compensators 08217
Damping, Transmission lines, Electric power transmission, Magnetic fields 04282
Diffusion, Hamiltonians, Modeling, Dynamics, Power systems 08251
Electric power apparatus, Torsion, Shafts 01673
Electric power generation, Turbogenerators, Resonance, Capacitors, Dissertation 01707
Electric power generation, Voltage, Stability, Loading, Flow 00143
Electromagnetic fields, Current, Electric fields, Size of plate 06422
Electromagnetic waves, Wave propagation, Plasmas 06419
Electromagnetics, Force, Short circuits, Buses, Design 06580
Electromagnetics, Wave propagation, Absorption, Spectral analysis 03212
Excitation, Wave propagation, Numerical analysis 06428
Far infrared, Lasers, Waveguides, Microwaves 05736
Filters, Sequences, Sampling methods, Numerical analysis 03809
Frequency, Magnetic fields, Metal oxide semiconductors 02736
Frequency, Semiconductors, Plasmas, Excitation 03232
Gas lasers, Polarization 09017
Induction motors, Control systems 01698
Injection lasers, Switching, Frequency 07369
Josephson junctions, Numerical analysis 04247

Oscillation, (continued)
Linear systems, Numerical analysis, Research and development 05529
Liquids, Magnetic variables measurement, Deformation, Materials testing 08454
Magnetics, Transducers, Optics, Stability 06840
Magnetoelastic effect, Magnetic fields, Anisotropy 05129
Masers, Resonators, Magnetic fields, Electrons 07361
Mathematical models, Current voltage, Josephson junctions, Magnetic fields 04233
Microwaves, Current, Josephson junctions, Tunnel junctions 04193
Millimeter waves, IMPATT diodes, Molecular beam epitaxy, Gallium arsenide 04378
MOSFET, Power transistors, Frequency, Polysilicon 07595
Noise, Filters, Computer programs, Performance, Dissertation 07130
Nonlinear systems, Frequency, Stability, Hydrodynamics, Numerical analysis 01934
Relaxation, Modulation, Semiconductor lasers, Aluminum gallium arsenide 04014
Remote sensing, Satellites, Solar energy 00584
Resonators, Dielectrics, Bipolar transistors, Microwaves 02654
Resonators, Electromagnetic fields, Structural analysis, Radio frequency 06477
Resonators, Spectral analysis, Polarization, Dielectrics 04326
Shafts, Repair, Hydroelectric power generation, Stiffness, Generators 01701
Spectral analysis, Modes, Gas lasers 00968
Stability, Image processing, Optics, Feedback 00889
Vibration, Rotating bodies, Bearings, Resonance 01961
Vibration, Subharmonic vibration, Numerical analysis 01960
Voltage, Superconductors, Inductance, Niobium, Titanium 04160
Wave propagation, Argon, Pumping, Gas lasers 00970
Wave propagation, Far infrared, Lasers, Waveguides 08989
Oscillators,
Acoustooptics, Voltage, Stability 00853
Amplifiers, Differential equations, Numerical analysis 08822
Amplifiers, Pulse generation, Carbon dioxide, Gas lasers 00982
Amplitude, Circuitry 08824
Audio systems, Frequency, Tuning 03858
Bipolar transistors, Amplifiers, Noise, Computer aided analysis 03863
Broadcasting, Receivers, Circuitry, Ganging errors 02800
Capacitors, Switching, Communications, Signal processing 08817
Carbon dioxide, Gas lasers, Mode locking, Pulse generation 07400
Carbon tetrafluoride, Lasers, Pumping, Power 07409
Channels, Noise, Frequency, Stability 08821
Circuitry, Noise, Design 08827
Circuitry, Synchronization 08825
Circuitry, Time measurement, Amplifiers, Modeling 08735
Control, Stability, Feedback 06940
Control systems, Design, Voltage, Phase shifts 07206
Counters, Inverters, Logic circuits, Silicon on sapphire 04409
Current density, IMPATT diodes, Avalanche, Thermal variables measurement 07208
Damping, Noise 05530
Delay, Signal processing, Metal oxide semiconductors, Field effect transistors 01216
Design, Numerical analysis 08826
Differential equations, Averaging, Manifolds, Nonlinear systems 02440
Digital systems, Integrated circuits, Capacitors, Switches 07203
Dye lasers, Amplifiers, Mode locking, Pulse generation 00992
Dynamics, IMPATT diodes, Circuitry 08816
Eddy current, Inspection, Circuitry, Metrology 08819
Electrodynamics, Stochastic systems, Equations of motion 03215
Electron beams, Magnetic fields, Lasers, Resonators 00936
Electron beams, Tokamaks, Noise, Video systems, Photoconductors, Far infrared 03919
Excitation, Numerical analysis, Lotka-Volterra model 08574
Fabrication, Integrated circuits, Frequency dividers 05506
Fiber optics, Refractive indices 01354
Field effect transistors, Metal oxide semiconductors, Stability, Dielectrics 02441
Filters, Capacitors, Communication networks, Transfer functions, Dissertation 06390
Filters, Metal oxide semiconductors, Input, Programming, Control systems 05528
Flow of gases, Piezoelectricity, Surface acoustic waves, Configurations 01987
Frequency, Cryogenics, Noise, Thermal variables measurement 03855
Frequency, Modulation, Magnetic fields, Power supply 01875
Gallium arsenide, Field effect transistors, Dielectrics, Resonators 02652
Gallium arsenide, Field effect transistors, Dielectrics, Resonators 07493
Germanium, Plasmas, Stability, Electric fields 00320
Gunn effect, Design, Tuning, Waveguides 08067
Gunn effect, Indium phosphide, Optimization, Millimeter waves 05531
Gunn effect, Waveguides, Tuning, Klystrons 06452
Gunn oscillators, Dielectricity, Waveguides, Image processing, Quartz 05533
Gunn oscillators, Resonators, Combiners, Millimeter waves, Couplers 04834
Gyrotrons, Harmonics, Resonators, Millimeter waves 08091
Gyrotrons, Resonators, Electromagnetic fields, Charge, Modeling 06473
Harmonics, Electromagnetic fields, Statistical analysis 01606
Harmonics, Mixing, Far infrared, Lasers, Schottky diodes 09195
Heterojunctions, Bipolar transistors, Numerical analysis, GaAs/(GaAl)As 05532
IMPATT diodes, Fabrication, Gallium arsenide, Packaged components 09186
IMPATT diodes, Gain, Carrier waves, Wave propagation 01135
IMPATT diodes, Noise, Gallium arsenide, Doping 04373
Indium phosphide, MISFET, Fabrication, Capacitance voltage 09243
Induction motors, Levitation, Welding 00694
Injection, Current, Ports, Distortion 03860
Inspection, Nondestructive testing, Calibration 08820
Integrated circuits, Josephson junctions, Microwaves 04236
Integrated circuits, Voltage, Thermal variables measurement 07202
Irradiation, Metal oxide semiconductors, Logic circuits, Current, Bias 03864
Josephson junctions, Logic circuits, Inverters, Flip flops, Integrated circuits 04069
Josephson junctions, Numerical analysis, Dissipation 04184
Klystrons, Gain, Wavelengths, Cherenkov radiation 00735
Klystrons, Harmonics, Energy, Spectral analysis 00734
Lasers, Wigglers, Optimization 00927
Loading, Impedance, Diodes, Nonlinearity 02443
Magnetite, Magnetics, Iron, Minerals and ores 06833
Magnetostatics, Communications, Radar, Signal processing 07204
Magnetostatics, Transducers, Circuitry, Tuning 07205

Oscillators, (continued)
- Metal oxide semiconductors, Epitaxial growth, Channels, Doping, Logic circuits 01233
- Methyl fluoride, Lasers, Frequency, Millimeter waves 09029
- Microstrips, Millimeter waves, Phase shifts, Couplers, Transmission lines 09093
- Microstrips, Radios, Fabrication 04542
- Microwave devices, Bipolar transistors, Design 08823
- Microwave devices, Waveforms, Numerical analysis 00697
- Microwaves, Field effect transistors, Gallium arsenide, Noise 01217
- Millimeter waves, IMPATT diodes, Pulse generation, Dissertation 00695
- Millimeter waves, Receivers, Heterodyne reception, State of the art 06731
- Modes, Klystrons, Noise, Lasers 00996
- Modulators, Noise, Detectors, Lasers, Amplifiers, Computer aided analysis 00988
- Neodymium, Lasers, Anemometers 05754
- Noise, Dynamics, Excitation, Structural analysis 06427
- Noise, Microwaves, Injection 06471
- Noise, Phase locking, Receivers, Josephson junctions, Signal processing 05534
- Noise, Tuning, Numerical analysis 04735
- Quartz, Time measurement, Stability, Precision engineering 05527
- Radio communications, Mobile systems, Systems design 04539
- Radio frequency, Bandwidths, Capacitance, Varactors 03856
- Recording systems, Integrated circuits, Signal to noise ratio, Filtering 02568
- Regenerators, Pulse generation, Nuclear quadrupole resonance, Modulation 02442
- Relaxation, Computer aided analysis, Subharmonics, Decomposition, Sets 02439
- Schottky diodes, Barrier heights, Contacts, Gallium arsenide, Space charge 09176
- Signal processing, Simulation, Gallium arsenide, Numerical analysis 00693
- Signals, Modulation, Modeling 01557
- Spectral analysis, Ferrimagnets, Ferrospinels, Electronic structure 08926
- Spectrometers, Frequency, Electric variables control, Tuning 03861
- Stability, Microwaves, Entropy 03857
- Stability, Time measurement, Relaxation, Noise 03862
- Stability, Waveform generators, Modeling, Biology 05535
- Superconductivity, Cryogenics, Frequency, Standards 04058
- Superconductivity, Storage, Power systems, Magnetics 09064
- Superconductivity, Varactors, Voltage, Phase shifts, Stability 03859
- Superconductivity, Voltage, Microwaves, Josephson junctions 04053
- Surface acoustic waves, Voltage, Radios, Receivers 09322
- Synchronization, Frequency, Stability, Noise, Phase locking 08818
- Transmitters, Signal processing, Detectors, Gas lasers 00972
- Tunnel junctions, Mixers, Noise, Temperature, Current voltage 07576
- Voltage, Control systems, Resistors, Integrated circuits 07207
- Voltage, Signal processing, Vectors, Phase locked loops, Dissertation 07201
- Waveguides, Refractive indices, Gain, Dissipation, Semiconductor lasers 04031

Oscilloscopes,
- Bar codes, Measurement, Programming, Error, Image processing 02146
- Integrated circuits, Microcomputers, Interfaces, Displays, Alphanumerics 00285
- Mach Zehnder interferometers, Photodetectors, Fringe movement 05670

Osmium,
- Coatings, Cathodes, Design, Emissions 08858

Output,
- Amplifiers, Signal transmission, Telemetry, Channels 00689
- Control systems, Vectors, Measurement 08550
- Electrical resistance, Voltage, Potentiometers, Numerical analysis 07183
- Error, Convergence, Least squares estimation, Noise, Modeling 03116
- Error, Quantization, Distributions, Signal processing, Graphs 07906
- Feedback, Control systems, Synthesis 00392
- Feedback, Controllers, Boundary value problems 05194
- Filters, Signal processing, Noise 08742
- Limiters, Diffusion, Noise, Field effect transistors, Semiconductors 02757
- Modeling, Converters, Voltage, Prediction, Dissertation 01852
- Printers, Electronic equipment, Data processing, Quality control, Productivity 02285
- Recording systems, Magnetic storage, Simulation, Computer aided analysis 01092
- Signal processing, Switching, Channels, Sequences, Distributors 03143
- Signals, Filters, Robustness 08740
- Signals, Time measurement, Delay 07897
- Typography, Office automation, Management, Information processing, Printers 07088

Output devices,
- Circuitry, Input devices, Optics, Microcomputers, Interfaces 00597
- Input devices, Recording systems, Printers, Signal processing, Microcomputers 00599
- Instrumentation, Measurement, Input devices, Tape punches 00596
- Printers, Large scale printers, Commerce, Forecasting 03732
- Printers, Personal computers, Technological forecasting, Office automation 03733
- Printers, Production control, Automation, Distributed processing 05400
- Printers, State of the art, Matrix printers 02290
- Technology, Printers, State of the art 00591
- Telecommunications, Magnetic tapes, Interfaces, Image processing 01329

Oxidation,
- Conductance, Metal oxide semiconductors, Capacitors, Stress 00730
- Electric fields, Combustion, Air pollution, Microscopy 08441
- Gases, Electric variables control, Metals, Conductivity, Sensors 07506
- Large scale integration, Circuitry, Bipolar devices, Optimization, Modeling 06045
- Logic circuits, Electric fields, Metal oxide semiconductors 01194
- Nickel silicide, Metallization, Interconnections, Integrated circuits 05562
- Pn junctions, Passivation, Silicon dioxide, Anodes 01167
- Polyethylene, Electrical conductivity, Charge carriers, Injection 05148
- Refractories, Integrated circuits, Etching, Ion implantation 01246
- Silicon, Interfaces, Silicon dioxide, Carrier mobility 04401
- Silicon, Ion implantation, Dielectricity, Capacitance voltage 05960
- Solar cells, Interfaces, Thermodynamics, $CdS-CuInSe_2$ 00785
- Stability, Silicides, Integrated circuits, Book 07669
- Transition metals, Electrical conductivity, Thermogravimetry, X-ray diffraction 06880

Oxygen,
- Adsorption, Metal oxide semiconductors, Gases, Sensors 08419
- Arrays, Signal processing, Image processing, Diffusion, Photodiodes 00774
- Cathodes, Emissions, Electrical conductivity, Semiconductors 05582
- Magnetohydrodynamics, Power plants, Thermal variables measurement, Economics 04967
- Reliability, Monitoring, Transducers, Flow of gases 09145

Oxygen, (continued)
- Sensors, Biomedical engineering, Integrated circuits, Photolithography 012
- Silicon, Solar cells, Point defects, Pn junctions 083
- Ultraviolet, Fluorescence, Excitation, Argon fluoride, Gas lasers 067

Ozone,
- Gas lasers, Pumping, Frequency, Far infrared, Emissions 073

Packaged components,
- Automatic control, Chemical variables control, Adhesives, Electronic equipment 027
- CMOS, Very large scale integration, Channels, Performance 092
- Coatings, Inspection, Electromagnetic fields, Nondestructive testing 006
- Connectors, Storage, Integrated circuits, Failure 028
- Dielectrics, Waveguides, Interferometers, Modulation, Switching 048
- Fiber optics, Coupling, Lasers, Connectors, Performance 093
- Fiber optics, Light emitting diodes, Coupling, Computer aided analysis 073
- IMPATT diodes, Oscillators, Fabrication, Gallium arsenide 091
- IMPATT diodes, Tuning, Carrier waves, Thermal variables control 011
- Indium phosphide, Integrated circuits, Millimeter waves, Receivers 080
- Instrumentation, Assembling, Modular design 067
- Instrumentation, Seals, Protection 024
- Integrated circuits, Computer aided design, Fabrication 092
- Integrated circuits, Fabrication, Ceramics, Composite materials, Failure 028
- Integrated circuits, Materials testing, Ceramics, Thermal expansion 076
- Integrated circuits, Millimeter waves, Technological forecasting 076
- Integrated circuits, Moisture control, Plastics, Thermal variables measurement 060
- Integrated circuits, Moisture measurement, Corrosion resistance, Tungsten 027
- Integrated circuits, Packaging, Moisture measurement 045
- Integrated circuits, Printed circuit boards, Coatings, Soldering 027
- Integrated circuits, Printed circuit boards, Composite materials, Contacts 027
- Integrated circuits, Printed circuit boards, Materials planning and control 045
- Integrated circuits, Printed circuit boards, Soldering, Fatigue, Service life 027
- Integrated circuits, Printed circuit boards, Systems design 027
- Integrated circuits, Protection, Elastomers, Silicone 060
- Integrated circuits, Protection, Silicon, Reliability 027
- Integrated circuits, Reliability, Printed circuit boards, Soldering 060
- Integrated circuits, Reliability, Thermal variables measurement 028
- Integrated circuits, Semiconductors, Assembling, Reliability 060
- Integrated circuits, Soldering, Reliability 027
- Integrated circuits, Switching, Ceramics, Capacitance, Inductance 060
- Integrated circuits, Thermal variables measurement, Failure 028
- Invar alloys, Thermal expansion, Reliability, Chips, Microelectronics 076
- Josephson junctions, Integrated circuits, Process development 041
- Josephson junctions, Power supply, Logic circuits, Integrated circuits 042
- Logic circuits, Josephson junctions, Connectors, Striplines 041
- Lubricants, Friction, Connectors, Integrated circuits 027
- Magnetic fields, Oceanography, Sensors, Conductivity, Distortion 016
- MESFET, Logic circuits, Design, Gallium arsenide 092
- Metal oxide semiconductors, Integrated circuits, Optimization 028
- Microelectronics, Failure, Spectral analysis, Materials testing 028
- Microelectronics, Integrated circuits, Technology, State of the art 028
- Microelectronics, Seals, Thermal expansion 012
- Microwave devices, Integrated circuits, Technology, PlanarPak™ 064
- Modular design, Materials planning and control, Polymers, Solar cells 002
- Passivation, Reliability, Transistors, Metal oxide semiconductors, Stability 012
- Seals, Integrated circuits, Glass, Alpha radiation 027
- Semiconductor lasers, Circuitry, Modeling, Modulation 009
- Semiconductors, Crack propagation, Current density 060
- Soldering, Printed circuit boards, Integrated circuits 028
- Telephones, Bipolar transistors 062
- Ultrahigh frequency, Microwaves, Striplines, Integrated circuits, Ceramics 026
- Wire processing, Modular design, Integrated circuits, Semiconductors 012

Packaging,
- Aircraft, Electronic equipment, Failure, Process development, Materials testing 060
- Ceramics, Military engineering, Electronic equipment, Composite materials 060
- Circuitry, Ceramics, Composite materials, Thermal variables control 060
- Electronic equipment, Composite materials, Thermal variables control 060
- Integrated circuits, Dies, Manipulators, Systems design, Image processing 076
- Mechanical handling, Automation, Robots, Process plants 035
- Optics, Diodes, Computer graphics 025
- Robots, Manufacturing, Computer aided control, Pallets 069
- Spacecraft, Composite materials, Weight measurement, Research and development 060
- Structural analysis, Polymers, Circuitry, Composite materials 060

Packet switching,
- Access, Radio communications, Communication networks, Simulation, Routing 013
- Access, Satellite communications, Throughput 031
- Algorithms, Flow, Routing, Communication networks, Problem solving 0451
- Architecture, Local area networks, Expressnet, Fasnet 046
- Broadcasting, Communication networks, Batch processing, Protocols 014
- Broadcasting, Data transmission, R-ALOHA 061
- Channels, Access, Transmission 063
- Channels, Speech transmission, Air traffic control, Simulation 079
- Channels, Stability, Signal processing, Dynamics, ALOHA 031
- Circuitry, Communication networks, Data transmission, Queueing theory 045
- Circuitry, Local area networks, Integrated systems, Protocols, Dissertation 029
- Communication networks, Architecture 0783
- Communication networks, Banking, Data processing, Accounting 0302
- Communication networks, Broadcasting, Speech transmission, Fault tolerance 0144
- Communication networks, Data transmission, Congestion probability 0451
- Communication networks, Data transmission, Modeling 0145
- Communication networks, Design, Multiplexing, Circuitry, Routing 0625
- Communication networks, Microprocessors, Logic, Arrays, Programming 0465
- Communication networks, Multiprocessors, Controllers, Delay, Loading 0626
- Communication networks, Plug compatibility, Integrated systems, Formatting 0623
- Communication networks, Protocols, Radios, Speech transmission, Mobile systems 0768

et switching, (continued)
mmunication networks, Speech transmission, Data processing, Synchronization 07846
mmunication networks, Speech transmission, Protocols, Multiplexing 07845
mmunication networks, Telephones, Loops, Signal processing, Videotex 04660
mmunication networks, Transmission, Architecture, Routing, MININET 04784
mmunications, Channels, Waiting times 07934
mmunications, Speech transmission, Economics 09454
mputer aided design, Communication networks, Simulation, Software packages 08000
ta communications, Networks, Systems design, Aerospace engineering 06201
ta transmission, Access, Economics, ISDN 09443
ta transmission, Channels, Satellite communications 01405
ta transmission, Communication networks, Architecture, DATAKIT 04638
ta transmission, Communications, Protocols, ALOHA, Throughput 07933
ta transmission, Speech transmission, Communication networks, Traffic 07849
cision making, Radio communications, Networks, Traffic 09317
stributed processing, Local area networks, Protocols, Speech transmission 04640
stributed systems, Communication networks, Reliability, Routing 04643
csimile systems, Protocols, Telecommunications 09462
erfaces, Speech transmission, Communication networks, Systems development 01473
cal area networks, Channels, Speech transmission, Protocols, Expressnet 04632
cal area networks, Data transmission, Cambridge ring 04635
cal area networks, Data transmission, Protocols 04641
cal area networks, Integrated systems, Speech transmission, Data transmission 01465
cal area networks, Modulation, Protocols, Performance, Signal to noise ratio 07977
cal area networks, Protocols, Standards 03020
cal area networks, Simulation, Protocols, Telephones, Technology 07843
odeling, Networks, Access, Transmission 03155
etworks, Data processing centers, Japan, Inter-university DP centers 09438
etworks, Speech transmission, Simulation 06354
etworks, Trees, Routing 07838
oisson processes, Speech transmission, Simulation, Distributions, Multiplexing 07993
rotocols, Interactive systems, Architecture, Communication networks 07813
rotocols, Local area networks, Throughput, Delay, Fault tolerance 04666
ueueing theory, Networks, Routing, Radio communications 04538
ueueing theory, Ordinary differential equations, Communication networks 04532
adio communications, Protocols, Dissertation 01308
adio communications, Throughput, Delay, Dissertation 04525
adios, Communication networks, Signal transmission, Protocols, Terminals 07684
atellite communications, Access, Channels, Performance, Dissertation 06195
atellite communications, Queueing theory, Delay, Algorithms 09406
atellite communications, Speech transmission, Teleconferencing, Controllers 07791
atellite communications, Transmission, Channels 03159
oftware development, Communication networks 04649
peech transmission, Circuitry, Channels, Delay, Probability 07844
peech transmission, Communication networks, Performance 07814
peech transmission, Interfaces, Standards 07818
peech transmission, Local area networks, Distributed systems, Control systems 07842
peech transmission, Modulation, Communication networks, Queueing theory 01571
peech transmission, Protocols, Modular design 09455
tandards, Communication networks, Software development, Technology 03000
tandards, Protocols, Telecommunications, Channels 03061
elecommunications, Teletext, Video systems, Technological forecasting 01434
elecommunications, Transmission, Transborder data flow 09468
est beds, Telephones, Data communications, Networks 03069
raffic, Communication networks, Speech transmission, Data processing 07954
ladium,
lloys, Contacts, Friction, Wear 07229
oatings, Electrodeposition, Thickness control 05552
ontacts, Printed circuit boards, Film growth, Organic compounds 05560
lectroplating, Gold, Contacts, Electrical resistivity, Wear 03885
ases, Sensors, Surface properties, Platinum, Service life 03552
etal insulator semiconductors, Schottky diodes, Fabrication, Barrier heights 04389
ladium silicide,
chottky diodes, Leakage current, Thermionic emissions, Infrared 07552
er industry,
ogeneration, Energy recovery, Waste heat, Cost benefit analysis, Cables 01696
lectric power transmission, Cables, Thermal variables control 06576
nspection, Magnetic variables measurement, Electrochemistry, Kinematics 02657
achinery, Control systems, Induction motors, Economics, Maintenance 03287
ignal processing, Delay, Nondestructive testing, Filtering, Simulation 04750
ransformers, Silicone, Electronics, Equipment 04931
ltrasonics, Time measurement, Modulation, Signal processing 00345
aelectricity,
arium titanate, Ferroelectrics, Bonds, Lattices 05883
erroelectric crystals, Phase transitions, Ultrasonics, Attenuation 03533
erroelectric crystals, Structural analysis, Liquid crystals, Dissertation 05694
allel processing,
nalog to digital converters, Very large scale integration 00703
rrays, Image processing, Remote sensing, Statistical analysis, Dissertation 03691
rrays, Signals 04753
ommunication networks, Routing, Graphs, Algorithms, Optimization 02300
ecoding, Error correcting codes, Pipelining, Architecture, Reed-Solomon Codes 09579
ducation, Computer aided instruction, Machine machine interactions 02282
ilters, Lattices, Algorithms, Partitioning, Architecture 05445
mage processing, Filtering, Algorithms 08944
nformation processing, Optical communications, Noise, Electronic equipment 07704
ntegrated circuits, Silicon, Metal oxide semiconductors, Channels, Arithmetic 08790
ntegrated circuits, Software packages, Machine machine interactions 06888
ogic circuits, Delay, Arithmetic circuits, Counters 06031
icrocomputers, State machines, Programming languages, Systems design 02055
icroprocessors, Image processing 03997
odems, Approximations, Filters, Microwave devices, Integrated circuits 03169
etworks, Machine machine interactions, Control systems, Routing 05385
etworks, Partitioning, Fast Fourier transforms 05993
arallel networks, Switching, Electrical resistivity, Resistors 07166
ipelining, Filters, Algorithms, Residue Number System 08767
Parallel processing, (continued)
Reliability, Computer graphics, Redundancy 08578
Reliability, Pattern recognition, Filtering, Image processing, Dissertation 03184
Signal processing, Circuitry, Architecture, Concurrency 04451
Signal processing, Linear systems, Filtering, Modulation, Dissertation 02362
Software development, Architecture, Radar, Pipelining 06298
Vocoders, Channels, Speech transmission 01481
Voltage, Control systems, Telecommunications, Testing 08265
Parameter estimation,
Algorithms, Convergence, Respiratory system, Noise, Modeling 07011
Algorithms, Microprocessors, Input output, Capacitance, Measurement 06777
Channels, Signal transmission, Equalization 01578
Circuitry, Coaxial cables, Dielectrics, Measurement 04305
Circuitry, Induction motors, Torque, Modeling 03279
Control systems, Adaptive control, Stability 05195
Data transmission, Signal processing, Fault detection, Switching 01570
Delay, Wave propagation 03828
Discrete time systems, Stochastic systems, Delay 03574
Error, Time varying systems, Adaptive control 05231
Fiber optics, Standards, Manufacturing 07772
Filtering, Signal processing, Noise, Modeling 04764
Filters, Tracking, Radar, Optimization, Numerical analysis 06287
Hierarchies, Modeling, Local area networks, File management 04579
Identification, Power plants, Metering, Data transmission, Detection 05018
Image processing, Scene analysis, Optics, Flow, Dynamics 05724
Integrated circuits, Metal oxide semiconductors, Random access memory 04483
Interferometers, Performance, Computer aided analysis, Heuristics, Testing 07323
Interpolation, Filters 00650
Loops, Arrays, Boundary value problems, Signal processing 03252
Meteorology, Modeling, Magnetic variables measurement, Thermodynamics 05366
Microwaves, Transistors, Current, Modeling 01166
Photoelasticity, Stress, Modeling, Light, Three dimensionality 00262
Radiation, Remote sensing, Thermal variables measurement 05362
Robustness, Controllers, Distributed systems, Operators, Heat exchangers 02056
Signal detection, Noise 01555
Signal processing, Control systems, Design, Feedback, Differentiation 06342
Signal processing, Noise, Damping, Simulation, Dissertation 06327
Signal processing, Optimization, Multivariable systems, Controllers 05221
Signal processing, Underwater technology, Noise, Arrays, Processors 03133
Signals, Array processing, Bessel weighting, Spectral analysis 04742
Signals, Modeling, Autoregressive analysis 03142
Speech recognition, Signal processing, Filter bank analysis 02384
Speech synthesis, Signal processing, Coding, Dynamic programming 01585
Statistical analysis, Satellite data, Remote sensing 02182
Systems analysis, Stability, Input output 04956
Transfer functions, Signal processing, Control systems, Pulses, Input output 02017
Transformations, Modeling, Synthesis, Filtering, Optimization 01543
Transistors, Doping, Bipolar transistors 01158
Very large scale integration, Integrated circuits, Quality control, Design 01244
Particle accelerators,
Cost benefit analysis, Magnetic fields, Current density, Solenoids 04179
Niobium, Resonators, Design, Electric fields, Superconductivity 04170
Superconductivity, Resonators, Lead, Coatings, Polishing 04324
Particles,
Arcs, Velocity, Lasers, Doppler shift, Anemometry, Electrodes 02619
Free electron lasers, Waveguides, Magnetic fields 00929
Particle detectors, Nuclear reactors, Resolution, Neutrons, Diffraction 01893
Particle size, Aerosols, Americium, Electric fields, Ions, Charge 01924
Turbulent flow, Phase transitions, Arcs, Discharges 00009
Passivation,
Pn junctions, Silicon dioxide, Anodes, Oxidation 01167
Reliability, Transistors, Packaged components, Metal oxide semiconductors 01235
Pattern recognition,
Adaptive control, Computer aided control, Inspection, Robots, Vision 03583
Artificial intelligence, Curve fitting 08941
Artificial intelligence, Image processing, Cartography 02565
Artificial intelligence, Image processing, Knowledge representation 05717
Artificial intelligence, Inspection, Robots 00408
Biomedical engineering, Image processing, Reconstruction 03672
Biomedical engineering, Prosthetics, Artificial limbs, Control 05344
Cartography, Remote sensing, LANDSAT, Forest management 02175
Charge coupled devices, Sensors, Photodiodes, Structural analysis 04495
Circuitry, Communication networks, Structural analysis, Bench marks 03825
Classification, Seismology 00557
Codes, Matching, Algorithms, Machinery 07966
Color, Sensors, Automation engineering 05227
Color, Systems design, Portability 08639
Computed tomography, Scanning, Lasers, Classification, Wood processing 04045
Computer aided analysis, Inspection, Ball bearings, Surface properties 03992
Computer graphics, Image processing, Surface texture, Raster displays 03746
Data processing, Optical character recognition, Optical correlators 05728
Data transmission, Image processing, Televisions, Robots 00430
Density, Mapping, Photogrammetry, Classification, Resource management 02255
Digitizing, Cell texturing, Image processing, Helicopters, Training 03635
Diodes, Optics, Packaging, Computer graphics 02534
Electronic equipment, Optics, Image processing, Automation, Spectral analysis 05684
Energy storage components, Batteries, Service life, Computer aided analysis 03324
Fabrication, Logic circuit diagrams, Image processing 05999
Filtering, Color, Detection, Optical communications, Identification 07904
Filtering, Signal detection, Interference 06384
Filters, Circularly symmetric filters 08945
Filters, Optical character recognition, Simulation 00654
Gauges, Automatic testing, Calibration, Hough transforms, Signal processing 04335
Geology, Image processing, Photography, Software development 05361
Geometry, Adaptive arrays, Restoration, Image processing 01663
Holography, Optics, Image processing, Nondestructive testing, Robots 05775

Pattern recognition, (continued)
Identification, Cartography, Automation, Raster displays 02249
Identification, Remote sensing, Data collection, Tracking, Simulation 05364
Image processing, Color, Vision, Perception 08893
Image processing, Computed tomography, Noise, Stability, Numerical analysis 09338
Image processing, Computer graphics, Computer aided design, Structural parts 07099
Image processing, Data base management systems, Data structure 05718
Image processing, Data structure, Dissertation 05730
Image processing, DEC VAX 11/780, Stereo image line object extraction 05666
Image processing, Electrooptics, Optical character recognition 00842
Image processing, Encoding, Histograms 07305
Image processing, Filtering, Noise, Thermographics 07464
Image processing, Filtering, Smoothing 08939
Image processing, Filters 05663
Image processing, Information retrieval, Storage, Artificial intelligence 03984
Image processing, Infrared, Detectors, Weapons 06988
Image processing, Matrices, Minimization 05711
Image processing, Medical electronics, Computed tomography 02571
Image processing, Medical electronics, X-rays, Quality control 05299
Image processing, Modeling, Subpixel analysis 00539
Image processing, Noise, Quantization 03113
Image processing, Nondestructive testing, Component boards, Inspection 05719
Image processing, Packaged components, Computer graphics, Integrated circuits 02827
Image processing, Perception, Segmentation, Interpretation, Algorithms 05707
Image processing, Peripheral devices, Picture processing 01327
Image processing, Printing, Thermal variables control, Matrices 02541
Image processing, Production control, Assembling 08943
Image processing, Radar, Mapping, Geography 07027
Image processing, Robots, Vision 05727
Image processing, Scene analysis, Vision 05716
Image processing, Segmentation, Matching, Data structure, Dissertation 08933
Image processing, Seismology, Remote sensing 02181
Image processing, Structural analysis, Coding, Data transmission 00863
Image processing, Surface texture, Modeling 02170
Image processing, Ultrasonics, Boundary extraction 05729
Imaging, Mathematical models, Biomedical engineering 05297
Imaging, Remote sensing, Quality control, Data collection, Landsat-4 05360
Imaging, Template detectors 05726
Integrated circuits, Computer aided design, Fabrication, Dissertation 01263
Integrated circuits, Fabrication, Verification, Simulation, Algorithms 07641
Integrated circuits, Image processing, Architecture, Filtering, Dissertation 04456
Integrated circuits, Modeling, Inspection, Algorithms, Vision 04503
LANDSAT, Remote sensing, Mapping, Scene analysis 02177
Lasers, Distance measurement, Software development, Scene analysis 00860
Life cycle tesing, Energy storage components, Batteries 08298
Masks, Integrated circuits, Fabrication 06078
Mechanical handling, Vision, Bar codes, Computer aided manufacturing 02297
Medical electronics, Cardiovascular system, Image processing 05312
Medical electronics, Image processing, Signal to noise ratio 03670
Modeling, Image processing, Spectral analysis, Dissertation 03979
Nesting, Computer graphics, Lasers, Cutting, Aircraft engineering 04046
Neurophysiology, Sound, Histograms 05327
Oceanography, Radar, Remote sensing, Image processing, Sea-ice types 06294
Optical character recognition, Scanning, Input output, Image processing 02575
Optics, Interferometry, Diffraction gratings, Moire patterns 08947
Optics, Modulation, Performance, Optimization, Dissertation 05692
Optics, Robots, Systems design 00416
Optics, Sensors, Image processing 00413
Optics, Signal processing, Transformations, Processors 07693
Optics, Single crystals, Polymers, Polydiacetylene-toluene sulphonate 08910
Parallel processing, Reliability, Filtering, Image processing, Dissertation 03184
Petrochemical industry, Seismology, Signal processing, Filtering 03139
Phases, Contrast, Image processing, Electron microscopy 00884
Power plants, Security, Control systems, Monitoring, Dissertation 05010
Production control, Assembling, Inspection, Printed circuit boards 00412
Production control, Inspection, Robots, Vision 05219
Quality control, Image processing, Biomedical engineering, Radiology 05295
Quality control, Production control, Punching 00411
Remote sensing, Filtering, Computer graphics 02178
Remote sensing, Geophysics, Sea surface temperature 00532
Representation, Dipoles, Conductors, Current voltage 07223
Robots, Inspection, Image processing 00417
Robots, Man machine interactions, Collision avoidance control 00420
Robots, Nondestructive testing, Quality control 00444
Robots, Vision, Systems design 00418
Scanning, Logic, Performance, Design 00858
Seismology, Signal processing 07039
Sensors, Robots, Vision 00407
Sensors, Robots, Vision 02048
Sensors, Robots, Welding, Digitizing, Nondestructive testing 02020
Signal processing, Classification, Artificial intelligence 06340
Signal processing, Image processing, Radar, Scattering, Resonance 06303
Signal processing, Noise, Transfer functions, Speech transmission, Dissertation 03129
Signal processing, Seismology, Detection, Computer aided analysis 09541
Signal processing, Speech recognition, State of the art 07916
Signal processing, Testing, Frequency, Modulation, Algorithms 01540
Signals, Image processing, Edge detection, Dissertation 03983
Signals, Mapping 06324
Spectral analysis, Floods, Radiometers, Mapping 03690
Speech synthesis, Integrated systems, Office automation 09481
Speech transmission, Coding, Vector quantization 04685
Speech transmission, Quality control, Naive versus practiced speakers 03078
Surface properties, Optics, Probes 00866
Surface texture, Image processing, Segmentation, Dissertation 00871
Syntax, Geology, Classification, Signal processing, Dissertation 03702
Telescopes, Turbulent flow, Resolution, Atmospheric conditions, Interferometry 00026

Pattern recognition, (continued)
Teletext, Signal transmission, Distortion, Delay, Simulation 030
Underwater technology, Optics, Photography, Automation, Search strategies 015
Videotex, Telecommunications, Information systems, Research and development 061
Vision, Focusing, Automatic control, POPEYE 057
Vision, Inspection, Automation, Computer graphics, Surface texture 025
Vision, Inspection, AUTOVISION II 004
Vision, Inspection, Printed circuit boards 045
Vision, Robots, Lasers 025
Vision, Semiconductors, Circuitry, Technology, Manufacturing 028
Waveguides, Beam propagation, Lasers, Diffraction 009
Peoples Republic of China,
Radiation, Dosimetry, Research and development, Nuclear energy 039
Perfluorocarbon,
Films, Capacitors, Service life, Reliability 039
Performance,
Aerodynamics, Guidance and control systems, Spacecraft, Simulation 052
Aerodynamics, Propellers, Wind turbines, Velocity, Numerical analysis 048
Air traffic control, Simulation, Speech transmission, Packet switching 079
Aircraft, Microwave devices, Guidance and control systems, Design 069
Aircraft, Wings, Structural analysis, Elasticity, Guidance and control systems 052
Amplifiers, Filters, Circuitry 038
Amplifiers, Integrated circuits, Cascomp error correction 055
Analog to digital converters, Time measurement, Reliability 051
Antennae, Arrays, Coupling, Signal to noise ratio 016
Antennae, Arrays, Radiation 081
Antennae, Computer aided analysis, Simulation 081
Antennae, Design, Beacons, Transponders 080
Apertures, Reflector antennae 065
Audio systems, Public address systems, Wave propagation 030
Avalanche diodes, Photodiodes, Superlattices, Molecular beam epitaxy, Defects 088
Biomedical engineering, Polymers, Elasticity, Molding, Materials testing 086
Bipolar transistors, Frequency, Molecular beam epitaxy, Heterojunctions 075
Bipolar transistors, Switching, Design 075
Cables, Design, Stability, Binding, Mechanical strength 074
Channels, Data transmission, Noise, Dissertation 046
Chemical process industry, Controllers, Least squares estimation, Algorithms 052
Classification, Product development, Internal combustion engines 017
CMOS, DMOS, Bipolar transistors, Integrated circuits 092
CMOS, Very large scale integration, Packaged components, Channels 092
Codes, Channels, Input output, Noise 079
Coding, Error, Signal processing, Decoding 079
Coding, Signal transmission, Transforms, Frequency 079
Color, Scanners, Dissertation 089
Combustion, Engines, Sensors, Controllers, Thin films 075
Communication networks, Access, Data transmission, Coding, Sequences 095
Communication networks, Government policies, Standards, ARPANET 014
Communication networks, Integrated systems, Signal transmission, Error, Delay 046
Communication networks, Simulation, Software packages, High level languages 078
Computer aided analysis, Antennae, Arrays, Signal processing, Adaptive control 000
Computer programs, Personal computers, Circuitry, Statistical analysis 076
Control systems, Induction motors, Dynamics, Research and development 048
Controllers, Design, Tracking, Dissertation 0857
Coronas, Conductors, Excitation, Interference, Noise 082
Cryogenics, Power systems, Superconductors, Magnets 074
Data bases, Electric power transmission, Software packages 0492
Degradation, Silicon, Solar cells, Electrons, Irradiation 0727
Design, Fiber optics, Mechanical strength 0132
Detection, Scanners, Radar 0309
Detectors, Image processing, Satellites 0506
Detectors, Sensors, Lead, Salts 0678
Drives, Loading 0342
Economics, Power plants, Resource management, Generators 0495
Eddy current, Computer programs, Research and development 0676
Education, Electrical engineering, Videotaped lectures 0377
Education, Video systems, Dissertation, Psychomotor learning 0377
Electric power generation, Computer aided control, Modeling, Simulation 0488
Electric power generation, Controllers, Computer aided control, Microprocessors 0489
Electric power generation, Data collection, Information retrieval 0014
Electric power generation, Diesel engines, Wind turbines, Generators 0489
Electric power generation, Systems analysis, Buses 0008
Electric power generation, Wind energy, Generators, Turbines 0835
Electric power transmission, Reliability, Control systems, Failure 0490
Electromagnetics, Accelerators, Machinery, Computer programs, Energy 0672
Electronic equipment, Machinery, Design, Finite element method 0652
Electronic mail, Sorting, Management, Productivity, Economics 0555
Electrooptics, Switches, Fabrication 0892
Energy conversion, Energy storage components, Solar collectors 0181
Energy conversion, Fuel cells, Electrodes 0664
Error, Probability, Communication networks, Signal processing, Noise 0782
Feedback, Decision making, Radios, Simulation, Receivers 0768
Fiber optics, Communications, Attenuation, Wavelengths 0773
Fiber optics, Coupling, Lasers, Connectors, Packaged components 0938
Fiber optics, Fabrication, Chemical vapor deposition, Transmission 0937
Fiber optics, Fabrication, Refractive indices, Optical properties 0773
Fiber optics, Local area networks, Access, Protocols 0131
Fiber optics, Receivers, Design, Communications 0773
Fiber optics, Transmission, Design 0775
Fiber optics, Transmission, Wavelengths, Fabrication 0936
Filters, Circuitry, Transmission lines, Frequency, Fabrication 0482
Filters, Design, Amplifiers, Dissertation 0876
Filters, Impulse response, Interpolation 0873
Filters, Metals, Thickness measurement, Computer aided design 0379
Filters, Signal detection, Transfer functions 0546
Filters, Signal processing, Equalization, Receivers 0954
Floating point arithmetic, Filtering, Throughput 0711

ormance, (continued)
equency, Amplifiers, Metal oxide semiconductors, CMOS 03846
equency, Communications, Antennae, Numerical analysis 08128
equency, Filters, Armatures, Motors, Current voltage 08167
allium arsenide, Solar cells, Design, Optimization 05642
as lasers, Fusion, Carbon dioxide, Krypton fluoride 09013
enerators, Electric power generation, Power plants 06557
eothermal energy, Power plants, Economics 06699
round support systems, Launching facilities, Rocket engines, Propulsion 02104
uidance and control systems, Aerospace test facilities, Spacecraft 02089
uidance and control systems, Sensors, Testing, Design, Spacecraft 05271
eating systems, Solar collectors, Energy storage components, Standards 00200
eterojunctions, Bipolar transistors, Liquid phase epitaxy, (In,Ga)As/InP 05936
eterostructure lasers, Design, Modes, InGaAsP/InP 05756
eterostructure lasers, Injection lasers, InGaAsP 09005
ydroelectric power generation, Environmental protection, Dynamics, Economics 04951
ydroelectric power generation, Generators, Design, Maintenance 06550
ydrogen, Masers, Optimization, Magnetic fields, Atoms 08980
mage processing, Cameras, Testing 06153
mage processing, Quality control, Edges, Detection, Segmentation 05715
mage processing, Remote sensing, Feature extraction, Filtering, Classification 07025
mage processing, Signals, Control systems, Parameter estimation, Algorithms 07963
nduction generators, Excitation, Capacitors, Circuitry 08177
nduction motors, Energy conservation 03272
nsulators, Thermal variables measurement, Voltage, Residual resistance 06586
ntegrated circuits, Amplifiers, Capacitance 08798
ntegrated circuits, Metal oxide semiconductors, Current voltage, Design, Noise 07636
nverters, Optimization, Circuitry, Voltage 08834
MOS, Transistors, Fabrication, Dielectrics 09250
Lasers, Etching, Integrated circuits, CMOS 09050
Lasers, Gases, Research and development, Industry, Quality control 05764
Lasers, Printers, Technology, Electronic mail, Economics 07425
ightning, Aircraft, Current, Simulation 00452
Liquid crystals, Physical properties, Optical communications, Converters 07298
Lithium niobate, Waveguides, Titanium, Diffusion, Optics 05825
ocal area networks, Architecture, Buses, Fiber optics, Integrated circuits 08727
ocal area networks, Channels, Modeling, Circuitry, Protocols 07930
ocal area networks, Delay, Protocols, Modeling, Standards 06256
ocal area networks, Modulation, Protocols, Packet switching 07977
ogic circuits, Bipolar devices, Arrays, Computer aided design, Error 07637
Magnetic storage, Research and development 02680
Magnetic tapes, Friction, Surface properties, Materials testing, Polymers 07530
Magnetic tapes, Recording systems, Digital systems 05878
Magnetohydrodynamics, Generators, Electrical conductivity, Voltage, Temperature 08288
Marine engineering, Acoustics, Microprocessors, Buoy systems, Data collection 06305
Materials testing, Ultrasonic testing, Electromagnetic-acoustic method 00326
Mathematical models, Communications, Transmission, Channels, Crisis calls 03123
Matrices, Microwaves, Software development 06459
Maximum likelihood estimation, Signal processing, Noise, Modulation, Frequency 07909
Mechanical handling, Vision, Feeders, Manipulators, Search strategies 05202
MESFET, Gallium arsenide, Doping, Channels 09235
MESFET, Transistors, Ion implantation, Gallium arsenide, Frequency 07599
Metal oxide semiconductors, Channels, Electrical resistivity, Boron, Doping 05977
Microelectronics, Printed circuit boards, Routing, Wiring 01243
Microelectronics, Systems design, Microcomputers, Reliability 06004
Microprocessors, Standards, Facsimile systems, Cost benefit analysis 03008
Military aircraft, Guidance and control systems, Simulation, Aerodynamics 08591
Military aircraft, Reliability, Antennae, Radar 06951
Military engineering, Data communications, Radio communications 05285
Millimeter waves, Mixers, Transmitters, Receivers, Waveguides 06453
Millimeter waves, Networks, Telecommunications 03057
Mirror machines, Plasmas, Fusion, Power systems 06638
Missiles, Aircraft, Velocity, Tracking, Simulation 05258
Missiles, Guidance and control systems, Design, Optimization 05273
Mixers, Circuitry, Pumping 08086
Modeling, Networks, Access, Transmission 03155
Modeling, Solar collectors, Heat transfer 03365
Modems, Design, Data transmission, Synchronization, Delay 06266
Modems, Filters, Signal processing, Numerical analysis, Interference 07990
MODFET, Transistors, Current voltage, Cryogenics, Thermal variables measurement 09244
Modulation, Speech recognition, Signal transmission, Coding, Delay 07986
Monitoring, Networks, Switching, Intelli-Max 07096
MOSFET, Field effect transistors, Channels, Numerical analysis 05979
MOSFET, Transistors, Gases, Sensors 09214
Motors, Excitation, Control systems, Circuitry 08152
Motors, Synchronization, Magnetic variables measurement, Simulation 06524
Multiplexing, Resonators, Surface properties 01063
Neurophysiology, Networks, Testing 05326
Nickel, Cells, Satellite communications 06651
Nickel, Electrodes, Degradation 06654
Nickel hydroxide, Electrodes, Crystal growth, Structural analysis 06653
Noise, Filters, Oscillation, Computer programs, Dissertation 07130
Optical communications, Image processing, Modulation, Materials testing 07299
Optical communications, Processors, Filtering, Matching 07324
Optics, Pattern recognition, Modulation, Optimization, Dissertation 05692
Optimization, Antennae, Arrays 04837
Phase locked loops, Communications, Channels, Dissertation 01579
Phase shift keying, Noise, Error 07984
Phase shift keying, Signal processing, Frequency, Detection, Modulation 07987
Photoconductivity, Detectors, Mercury cadmium telluride, Coatings 05592
Photodiodes, Fabrication, Etching, Voltage 05600
Power supply. Electric power distribution, Capacitors 01760
Power systems, Design, Electric power generation, Atmospheric conditions 08270
Power systems, Electric power generation 08363
Power systems, Relays, Wave propagation, Design 08268
Problem solving, Teleconferencing, Psychology, Research and development 06138

Performance, (continued)
Public address systems, Acoustics 03074
Pulses, Frequency, Signal processing, Simulation, Error 07210
Quartz, Resonators, Resistors, Capacitors 08504
Radar, Architecture, Tracking, Signal processing 01528
Radar, Signal processing, Technology, Analog to digital conversion 06299
Radar, Simulation, Atmospheric conditions 07865
Radar, Tracking, Noise, Antennae, Least squares estimation 06481
Radiation, Cost benefit analysis, Solar collectors 01822
Radio communications, Atmospheric conditions 02904
Radio communications, Signal detection, Filtering 03189
Receivers, Frequency, Phase shift keying, Coding, Demodulation 09581
Recording systems, Magnetics, Cobalt, Chromium 05879
Reflectometry, Signal processing, Analog systems, Photon counting 08956
Reflector antennae, Numerical analysis, Fast Fourier transforms, Algorithms 04855
Refrigeration, Cryogenics, Heat exchangers, Modeling, Research and development 07444
Reliability, Electric power transmission, Networks, Electric power generation 08259
Reluctance machines, Testing, Research and development, Frequency, Velocity 06511
Remote sensing, Satellite communications, Algorithms, Image processing 07023
Resistors, Design, Fabrication, Metrology 08851
Robots, Vision, Image processing 00418
Rotors, Motors, Torque, Loading, Circuitry 04879
Satellite communications, Access, Channels, Packet switching, Dissertation 06195
Satellite communications, Atmospheric conditions, Sun transit outages 04607
Satellite communications, Frequency, Antennae, Interference 03001
Satellite communications, Modeling, Channels, Signal processing, Interference 07932
Satellite communications, Optics, Data transmission, Coding, Modeling 07964
Satellites, Antennae, Plasmas, Radiation 08056
Semiconductor lasers, Design, InGaAsP/InP 05755
Semiconductor lasers, Thermal variables measurement, Tuning 04024
Semiconductors, Field effect transistors, Modeling, Fabrication, Optimization 04422
Semiconductors, Recombination, Optics, Bistability, Fabry-Perot devices 09178
Sensors, Detection, Signal processing, Estimation, Bias 05101
Sensors, Imaging, Vidicons 05163
Service life, Maintenance, Batteries 01804
Signal processing, Cost benefit analysis, Standards, Avionics 07863
Signal processing, Filtering, Microelectronics, Throughput 06039
Signal processing, Noise, Data collection, Estimation 06319
Signal processing, Speech recognition, Matching, Real-time vocabulary size 03084
Signal reception, Spread spectrum communications, Atmospheric conditions 03171
Signals, Modulation, Costas loops 01330
Silicon, Pressure, Sensors, Voltage, Current 08384
Silicon, Solar cells, Recombination, Absorption 05611
Simulation, Monte Carlo method, Scintillators 05157
Simulation, Monte Carlo method, Solar cells, Numerical analysis 05606
Simulation, Synchronizers, NRZ-PAM 02420
Simulation, Wind energy, Solar energy 06664
Software development, Filtering, Optical communications, Delay, Accumulators 07328
Software packages, Satellite communications, Tracking, Prediction 07795
Solar cells, Injection, Photodevices 08882
Solar cells, Irradiation, Space technology, AlGaAs-GaAs 05644
Solar cells, Power supply, Converters, Control systems, Circuitry 08222
Solar cells, Semiconductors, Electrolytes, Interfaces, Dissertation 07283
Solar cells, Silicon, Doping, Open circuit voltage, Recombination 05615
Solar cells, Silicon, Doping, Voltage, Photovoltaics 08334
Solar collectors, Modeling, Software development, TRNSYS 08331
Solar collectors, Optimization, Power systems, Cost benefit analysis 08336
Space technology, Antennae, Communications 08113
Spacecraft, Propulsion, Chemical variables control, Energy conservation 05267
Speech transmission, Communication networks, Analog to digital conversion 07814
Speech transmission, Data processing, Multiplexing, Traffic, Delay 07994
Speech transmission, Multiplexing, Synchronization, Traffic, Integrated systems 07924
Speech transmission, Pattern recognition, Quality control 03078
Spread spectrum communications, Acquisitions 06395
Spread spectrum communications, Interference, Mathematical models, FH/MFSK 09569
Stability, Filters, Controllers 07142
Standards, X-rays, Televisions, Interfaces 07780
Structural analysis, Solar collectors, Energy storage components 01817
Superconductors, Generators, Circuitry, Design 08342
Switches, Magnetic fields, Current, Voltage 08212
Systems analysis, Solar energy, Photovoltaics 00197
Telecommunications, Interference, Channels 09472
Telecommunications, Local area networks, Architecture, Traffic, Switching 07829
Terminals, Communication networks, Switching, Queueing theory, Simulation 07999
Thermometers, Thermal insulation, Sensors, Research and development 03417
Thermostats, Stability 07455
Thin films, Integrated circuits, Loading 04471
Tracking, Estimation, Control systems, Design 06286
Tracking, Filters, Signal processing, Optics, Algorithms 05721
Transformers, Energy conservation, Costs 09168
Transient response, Modulation, Amplifiers 02433
Transistors, Gallium arsenide, Modeling, Switching, Structural analysis 07566
Transistors, Npn junctions, Heterojunctions, Frequency 05920
Transmission lines, Electric fields, Current, Statistical analysis 08211
Transmission lines, Solenoids, Superconductivity, Conductors 04257
Transmission lines, Statistical analysis, Outage 08219
Veterinary science, Integrated circuits, Anesthesiology 00508
Waveguides, Networks 09121
Waveguides, Numerical analysis, Tapers, Mode conversion 07487
Welding, Inspection, Ultrasonics, Frequency, Measurement 06847
Wind turbines, Electric power generation, Electric power distribution 08365

Peripheral devices,
Communication networks, Private branch exchange, Office automation, Economics 07083
Electric power transmission, Transients, Protection 01877
Image processing, Pattern recognition, Picture processing 01327
Local area networks, Plug compatibility, Mainframes, Minicomputers 05411

Peripheral devices, (continued)
- Online systems, Programmable controllers, ES computer 06895

Permittivity,
- Dielectricity, Frequency, Epoxy resins, Doping, Metals 07533
- Dielectrics, Resonators 08089
- Dielectrics, Resonators, Measurement, Optimization 08078
- Dielectrics, Resonators, Millimeter waves, Thermal variables measurement 09128

Personal computers,
- Automatic control, Instrumentation, Maintenance, Calibration 05033
- Banking, Online systems, Electronic funds transfer, Research and development 07089
- Banking, Videotex, Standards, Home banking 09449
- Communication networks, Software development, Facsimile systems 09451
- Computer programs, Circuitry, Statistical analysis, Performance 07644
- Computer programs, Statistical analysis, Testing, Electrical insulation 01771
- Data base management systems, Access, Communications, Software development 00611
- Data communications, Local area networks, UniLAN 07836
- Displays, Office automation, Ergonomics, Touch sensitive screens 03752
- Information processing, Technological forecasting, Systems design 06219
- Integrated circuits, Data transmission, Remote sensing, Microprocessors 03157
- Library science, Education, Interactive systems, Video systems 09335
- Local area networks, Data communications, Integrated circuits, Reliability 06246
- Machine machine interactions, Mainframes, Data bases, Communication networks 03754
- Magnetic storage, Diskettes 02308
- Monitoring, Cardiovascular system, Cardiac pacemakers 03676
- Office automation, Workstations, Speech transmission 03051
- Office automation, Workstations, Word processing, Management, Training 04662
- Optics, Microcomputers, Programming, Technology, Economics 03987
- Printers, Technological forecasting, Office automation 03733
- Programmable calculators, Navigation, Economics, Reliability, Safety 03092
- Programming languages, Software packages, Plug compatibility 02286
- Realtime systems, Electric power distribution, Computer aided control 08234
- Ships, Instrumentation, Algorithms, Functions, Navigation 03091
- Signal processing, Blood, Flow measurement, Apple II Plus 05339
- Simulation, Robots, Programming languages, Computer graphics, Time measurement 05177
- Software, Systems design, Data transmission, Fiber optics 01341
- Telephones, Terminals, Workstations, Research and development 02311
- Videotex, Modems, Integrated circuits, Switching, Capacitance 02915

Personnel,
- Computer crime, Security, Management information systems, Local area networks 08712
- Lasers, Training, Education, Industry, Research and development 05789
- Robots, Inspection, Safety, Remote sensing, Data collection 05188

Petri nets,
- Circuitry, Signal processing, Modeling, Probability, Stochastic processes 03823

Petrochemical industry,
- Computer aided control, Ethylene, Management 00442
- Control systems, Automation, Systems design, Man machine interactions 00399
- Data bases, Image processing, Remote sensing 00531
- Data communications, Software packages, Modeling, OGRE® 07834
- Electric motors, Bearings, Reliability, Failure, Service life 04876
- Energy storage components, Power plants, Electric power generation, Pressure 05015
- Hydrocarbon processing, Chromatography, Infrared, Photoionization, Detectors 00277
- Remote sensing, Induction, Signal processing, Charge 02187
- Thermal insulation, Corrosion resistance, Electric variables control, Circuitry 05550

Phase locked loops,
- Circuitry, Televisions, Color, Receivers, Computer aided control 02949
- Communications, Channels, Performance, Finite element method 01579
- Communications, Signal processing, Tangent discriminator 09473
- Detection, Noise, Approximations, Signal processing, Statistical analysis 06344
- Filters, Frequency, Tracking, Noise, Simulation 02364
- Ignition, Thyristors, Combustion, Integrated circuits 00675
- Integrated circuits, Noise abatement, Simulation, Voltage, Power supply 02838
- Modulation, Sensors, Lasers, Measurement, Image processing 07428
- Networks, Synchronization, Technology 06227
- Numerical analysis, Traveling wave tubes, Computer aided analysis, Simulation 08960
- Phase shifts, Arrays, Signal processing, Multipliers, Frequency, Dissertation 01521
- Phase shifts, Detectors, Numerical analysis, Frequency 00704
- Signal processing, Antennae, Arrays, Adaptive control, Dissertation 01522
- Signal processing, Detectors, Design 07917
- Signal reception, Channels, Interference, Demodulation 09561
- Signals, Interference, Simulation 01556
- Tuning, Controllers, Circuitry, Metal oxide semiconductors, Microcomputers 03198
- Vectors, Signal processing, Dissertation 07201

Phase meters,
- Measurement, Scattering, Electromagnetics, Automation 03479

Phase shift keying,
- Coding, Frequency, Signal processing, Amplitude, Waveforms 03174
- Communication networks, Transfer functions, Approximations, Linear equations 07179
- Data transmission, Satellite communications, Marine engineering, Telephones 06191
- Error, Probability, Approximations, Asymptotic behavior 07931
- Error, Probability, Modulation, Noise, Communication networks 06177
- Fiber optics, Lasers, Signal transmission, Detection, Monomode links 04557
- Fiber optics, Optical communications, Research and development 09348
- Filtering, Modulation, Signal processing, Frequency, Noise 07989
- Fourier analysis, Series expansion, Probability, Density, Noise 07895
- Frequency, Coding, Modulation 06365
- Logic circuits, Fabrication, Switching, Field effect transistors 04420
- Loops, Quantizers, Amplitude, Modulation, Verification 01565
- Modulation, Spectral analysis, Density, Signal processing 09594
- Modulation, Spread spectrum communications 03190
- Noise, Filters, Signal processing, Interference, Feedback 02365
- Noise, Performance, Error 07984
- Radio communications, Transmission, Noise 07690
- Radios, Mobile systems, Frequency, Filters, Interference 06252
- Receivers, Frequency, Coding, Demodulation, Performance 09581
- Satellite communications, Channels, Data transmission, Speech transmission 01412
- Satellite communications, Signal processing, Detection, Error, Frequency 07975

Phase shift keying, (continued)
- Signal detection, Channels, Modulation, Receivers, Error 015
- Signal processing, Amplitude, Modulation, Weighting 079
- Signal processing, Frequency, Detection, Modulation, Performance 079
- Signal processing, Frequency, Integral equations, Spectral analysis 095
- Signal transmission, Channels, Noise 095
- Signals, Error, Channels 063
- Spread spectrum communications, Access, Modulation, Bit error probability 095

Phase shifts,
- Antennae, Diodes, Polarization, Bandwidths 048
- Birefringence, Fiber optics, Polarization, Dispersion 077
- Capacitors, Velocity, Voltage, Impedance, Circuitry 071
- Conduction, Cavities, Cells, Loading, Finite element method 048
- Current, Electron gases, Magnetic fields, Lasers 040
- Field effect transistors, Modulation, Spectrometers, Resonance, Magnetic fields 003
- Frequency, Circuitry 024
- Gallium arsenide, Field effect transistors, Amplifiers, Design 088
- Lasers, Arrays 040
- Measurement errors, Amplifiers, Summation circuits 006
- Measurement errors, Spectroscopy 003
- Measurement, Frequency, Noise, Signal processing 095
- Microstrips, Millimeter waves, Couplers, Oscillators, Transmission lines 090
- Mixing, Wavefronts, Image processing, Light scattering 008
- Oscillators, Voltage, Control systems, Design 072
- Phase locked loops, Arrays, Signal processing, Multipliers, Frequency 015
- Phase locked loops, Detectors, Numerical analysis, Frequency 007
- Position control, Design, Couplers, Power systems, Channels 081
- Radio frequency, Transmission lines, Broadcasting, Irradiation, Distortion 032
- Shielding, Short circuits, Buses, Amplitude, Current 001
- Signal processing, Surface acoustic waves 084
- Stability, Integrated circuits, Signal transmission, Gyrators 055
- Stability, Metal oxide semiconductors, Packaged components, Passivation 012
- Transmission lines, Resonance, Circuit breakers, Current 017
- Voltage, Varactors, Superconductivity, Oscillators, Stability 038
- Waveforms, Failure, Voltage, Scanning electron microscopy, Integrated circuits 012
- Waveguides, Dielectrics, Impedance, Computer aided design 074
- Waveguides, Diffraction gratings, Modes, Filters 010
- Waveguides, Millimeter waves, Dielectric constants, Plasmas 074

Phase transitions,
- Arcs, Discharges, Turbulent flow, Particles 000
- Cryogenics, Refrigeration, Adsorption, Pumps, Cryostats 057
- Crystals, Acoustics, Wave propagation 035
- Flow of gases, Combustion, Fluidized beds, Solar collectors, Heating systems 018
- Heat transfer, Solar collectors, Energy storage components, Fluid mechanics 033
- Liquid crystals, Superconductors, Specific heat, Far infrared 051
- Magnetics, Polarization, Superconductors, Erbium rhodium boride 058
- Spectral analysis, Energy bands, Far infrared, Salts, Lasers 025
- Superconductivity, Quenching, Magnets, Thermal variables measurement 042
- Superconductors, Magnetic fields 074
- Thermal variables control, Electronic properties, Superconductivity, Potassium 010
- Thermal variables measurement, Conductors, Superconductivity 007
- Two phase flow, Electric fields, Dielectric constants, Composite materials 043
- Ultrasonics, Continuous waves, Tone bursts, Wave propagation 019

Phonons,
- Coupling, Electrons, Ferromagnetism, Structural analysis, $GaMo_4X_8$ 085
- Electrons, Metals, Point contacts, Noise 0687
- Energy bands, Spectral analysis, Cadmium manganese telluride, Semiconductors 0270
- Lattices, Ferroelectric crystals, Rare earth molybdates, Potassium selenate 0917

Phosphorescence,
- Displays, Electrons, Cathode ray tubes 0390

Phosphoric acid,
- Tungsten carbide, Corrosion, Catalysts, Dissolution 0497

Phosphorus,
- Ion implantation, Silicon, Solar cells, Annealing, Current voltage 0562
- Precipitation, Open circuit voltage, Silicon, Solar cells, Junctions 0562

Photoacoustics,
- Fluidic devices, Pneumatic control equipment, Pressure control 0732

Photocapacitance,
- Thin films, Solar cells, Schottky barriers, Cadmium sulfide, CdS/CdTe 0561

Photochemistry,
- Cytology, Therapeutic systems, Lasers, Radiation 0050
- Lasers, Research and development, Australia 0579
- Liquid phase epitaxy, Semiconductors, Fabrication, Lasers 0404
- Polysilicon, Solar cells, Fabrication, Optimization 0726
- Ultraviolet radiation, Gas lasers, Pumping 0098

Photoconductivity,
- Biology, Microwaves, Electrons, Magnetic fields 0344
- Charge carriers, Current density, Solar cells, Schottky barriers 0393
- Charge carriers, Field effect transistors, Metal oxide semiconductors 0275
- Charge carriers, Interfaces, Xerography, Electrooptics 0253
- Charge carriers, Recombination, Semiconductors, Microwaves, Resonators 0324
- Charge carriers, Thermal variables measurement, Semiconductors 0076
- Detectors, Lifetimes, Impurities, Silicon, Thermal variables measurement 0559
- Detectors, Performance, Mercury cadmium telluride, Coatings 0559
- Imaging, Gating, Modeling 0558
- Indium phosphide, Doping, Electric fields, Recombination, Carrier mobility 0392
- Metals, Contacts, Polyacetylene, Photovoltaics 0514
- Photovoltaics, Coatings, Charge carriers 0250
- Polysilicon, Current voltage, Open circuit voltage, Solar cells 0514
- Silicon, Amorphous materials, Sputtering, Bias, Dissertation 0919
- Silicon, Solar cells, Fabrication, Sputtering, Current voltage 0563
- Solar cells, Semiconductors, Interfaces, Energy bands 0251
- Solid solutions, Germanium selenide, Gallium selenide 0688
- Space charge, Charge carriers, Contacts 0248
- Thin films, Heterojunctions, Zinc selenide, Photosensors 0076
- Thin films, Solar cells, Cu_2S/CdS 0250

conductors,
ectors, Gallium arsenide, Surface properties, Fiber optics, Communications ... 03921
ctrooptics, Potentiometers, Transformers, Thermal variables measurement ... 08914
ctrooptics, Waveguides, Electron beams ... 01048
llium arsenide, Electrooptics, Switching ... 03920
rmanium, Doping, Detectors, Far infrared, Lasers ... 00765
ium phosphide, Doping, Iron, Dye lasers, Excitation ... 03922
itches, Gallium arsenide, Frequency, Modulation, Electrooptics ... 08911
oconverters,
llium arsenide, Spectral analysis, Temperature ... 00213
con, Infrared, Reflection, Titanium, Films ... 00214
odecomposition,
tals, Interfaces, Semiconductors, Surface properties, Dissertation ... 06879
odetectors,
polar transistors, Heterojunctions, Molecular beam epitaxy ... 02727
annels, Data management systems, Data bases, Optical storage ... 01493
arge coupled devices, Image processing, Heterojunctions ... 00775
atings, Thickness measurement, Gauges, Infrared, Visible range ... 05668
llium arsenide, Semiconductors, Sensors, Striplines ... 00807
mination, Schottky diodes, Semiconductors, Field effect transistors ... 02735
dium gallium arsenide, Transmission, Transmitters, Receivers ... 09370
egrated circuits, Apertures, Fiber optics, Refractive indices ... 04546
ach Zehnder interferometers, Oscilloscopes, Fringe movement ... 05670
otoemission, Infrared, Heterojunctions ... 01902
emiconductor lasers, Diodes, Fabrication, Mirrors, Dissertation ... 00808
licon, Lasers, Signal processing, Waveguides, Dissertation ... 01049
licon, Metal insulator semiconductors, Tunnel junctions, Integrated optics ... 05667
licon, MOSFET, Charge coupled devices ... 05593
pectral analysis, Lasers, Signal processing, Acoustooptics ... 03973
witching, Field effect transistors, Semiconductors, Schottky diodes ... 03956
todevices,
valanche photodiodes, Noise, Heterostructures ... 02492
allasts, Illumination, Fluorescence, Product development, Power supply ... 00826
smuth silicon oxide, Holography, Storage, Interference ... 09049
harge coupled devices, Image processing, Optimization ... 07312
harge coupled devices, Sensors, Photodiodes, Pattern recognition ... 04495
urrent voltage, Spectral analysis, Solar cells, Powder metallurgy ... 00803
iodes, Current, Diffusion ... 00773
iodes, Current, Pulse generation, Velocity, Electric fields ... 02494
lectromagnetic fields, Detectors, Radiation, Thin films ... 00275
ourier transforms, Spectrometers, Signal processing, Calibration ... 08404
umination, Amplifiers, Electroluminescence, Thin films ... 03963
nage intensifiers, Measurement, Veiling glare ... 02580
nage processing, Signal to noise ratio, Frequency, Multiplexing ... 05671
nterferometers, Optics, Lenses, Reflection ... 08953
unctions, Semiconductors, Schottky diodes, Dissertation ... 00770
ight emitting diodes, Fabrication, Epitaxial growth, Gallium arsenide ... 02528
ight emitting diodes, Gamma radiation, Photoemissions, Tuning ... 05678
ight emitting diodes, Superlattices, Heterostructures, Conduction bands ... 05681
iquid crystals, Sensors, Light valves, Displays, Image processing ... 02532
Mach Zehnder interferometers, Photodetectors, Oscilloscopes, Fringe movement ... 05670
Optics, Illumination, Image processing ... 08954
Optics, Waveguides, Circuitry, Fabrication ... 04309
Photoconductivity, Infrared, Detectors, Crystal growth ... 02489
Photoconverters, Gallium arsenide, Spectral analysis, Temperature ... 00213
Pn junctions, Photovoltage, Doping, Degeneracy ... 03918
Radiometers, Optics, Infrared, Visible range ... 05720
Resistors, Field effect transistors, Switching, Electrooptics ... 01201
Resolution, Time measurement, Electric fields ... 00764
Resonance, Interference, Energy conversion, Absorption ... 00223
Rubidium, Atoms, Pumping, Optics ... 07420
Solar cells, Electrodes, Thin films, CdS/CdTe ... 07282
Solar cells, Energy conversion, Energy resources, Technological forecasting ... 05625
Solar cells, Film growth, Polymers, Organic compounds ... 03938
Solar cells, Injection, Performance ... 08882
Solar cells, Photovoltaics, Irradiation, Shading ... 05636
Solar cells, Semiconductors, Etching, Fabrication ... 08876
Solar cells, Silicon, Photovoltaics, Fabrication, Lifetimes ... 03947
Solar cells, Stability, CdS/CdTe ... 05623
Solar cells, Stress, Failure, Degradation ... 05620
Solar energy, Standards, Plant and factory layout, Materials testing, Gain ... 01831
Solar windows, Indium tin oxide, Film growth, Evaporation, Optics ... 02517
Spectroscopy, Diffraction gratings, Lasers, Four wave mixing, Dissertation ... 01940
Telescopes, Optics, Image processing, Optimization ... 07333
Thin films, Waveguides, Amplifiers ... 09358
X-rays, Ultraviolet, Design, Zone plates ... 05053
otodiodes,
Avalanche diodes, Superlattices, Fabrication, Molecular beam epitaxy ... 08868
Avalanche photodiodes, Fabrication, Vapor phase epitaxy, InGaAs/InP ... 05603
Avalanche photodiodes, Heterostructures, Receivers, Optimization, InGaAs/InP ... 05602
Charge coupled devices, Sensors, Photodevices, Pattern recognition ... 04495
Current density, Recombination, Dark conduction, Numerical analysis ... 07259
Detectors, Spectral analysis, Dissertation, Atomic absorption spectrometry ... 08869
Detectors, Spectrometers, Microprocessors, Calibration ... 02490
Detectors, X-ray diffraction, Metering, Voltage, Pulse generation ... 08862
Diffusion, Image processing, Signal processing, Arrays, Oxygen ... 00774
Doping, Breakdown, Voltage ... 03925
Electrons, Output, Modeling ... 08867
Evaporation, Junctions, Electrical resistivity ... 00772
Fabrication, Liquid phase epitaxy, Etching, Performance, Voltage ... 05600
Field effect transistors, Integrated circuits, Molecular beam epitaxy ... 00769
Germanium, Optical communications, Design, Fabrication, Testing ... 07258
Heterostructures, Electric variables measurement, Voltage ... 00776
Infrared, Charge coupled devices, Multiplexing, Mathematical models ... 07262
Integrated circuits, Field effect transistors, Chemical vapor deposition ... 02704
Junctions, Thermal variables measurement, Schottky diodes ... 00771

Photodiodes, (continued)
Lasers, Velocimeters, Doppler shift, Speckle ... 07437
Numerical analysis, Differential equations, Modeling, Noise, Voltage ... 03924
Resolution, Linearity, Magnetic fields ... 05595
Schottky barriers, Silicon, Scintillation, Counters ... 05596
Schottky diodes, Fabrication, Planar processes, Gallium arsenide ... 07261
Scintillation, Detectors, Imaging, Resolution ... 05599
Semiconductor lasers, Heterostructures, Fiber optics ... 06135
Semiconductor lasers, Infrared, Detectors, Dissertation, InGaAsP/InP ... 02595
Semiconductor lasers, Reflectometers, Signal processing ... 04029
Semiconductors, Color, Sensors, Silicon ... 08930
Signal transmission, Televisions, Optical communications ... 09349
Silicon, Arrays, Breakdown, Simulation ... 08866
Tunneling, Dark conduction, Mercury cadmium telluride ... 07260
Voltage, Switches, Semiconductors, Control systems ... 02491
Photodissociation,
Spectroscopy, Lasers, ^{200}HgBr^{81}, ^{64}ZnI ... 00950
Photoelasticity,
Fiber optics, Wave propagation, Transducers, Strain, Deformation ... 07756
Photoelectric effect,
Cadmium selenide, Spraying, Radiography, Optical analysis ... 07334
Current voltage, Indium phosphide, Diodes, Au/n-InP:Fe ... 07546
Dielectricity, Microwaves, Bridges, Semiconductors ... 00806
Emissions, Pulse generation, Excitation, Delay, Signal processing ... 02524
Indium phosphide, Schottky diodes, Electron density ... 07555
Krypton, Stability, Aluminum gallium arsenide, Semiconductor lasers ... 04026
Silicon nitride, Films, Trapping, Kinetics, NMOS ... 07559
Photoelectrochemistry,
Coatings, Fuel cells, Electrodes, Semiconductors ... 00182
Electroplating, Gallium arsenide, Field effect transistors, Mechanical strength ... 04407
Fuel cells, Electrodes, Thermal variables measurement ... 03942
Magnesium titanate, Reflection, Absorption, Spectral analysis ... 08957
Photoelectronics,
Memory, Lasers, Optical storage, Recording systems ... 01506
Records management, Random access, Capacity, Optical storage ... 01494
Photoemission,
Fabry Perot interferometers, Semiconductor lasers, Spectral analysis, Noise ... 00955
Photodetectors, Infrared, Heterojunctions ... 01902
Photoemissions,
Electrons, Discharge, Current, Surface properties ... 03965
Tuning, Gallium arsenide, Light emitting diodes, Gamma radiation ... 05678
Photogrammetry,
Automation, Density, Image processing, Mapping, Systems analysis ... 02233
Geography, Data collection, Topography, Mapping, Computer graphics ... 02204
Image processing, Distortion, Cameras, Displays, Computer programs ... 05583
Image processing, Filters ... 07030
Mapping, Classification, Resource management, Pattern recognition, Density ... 02255
Mapping, Computer aided analysis, Computer graphics, Programming ... 02254
Mapping, Costs, Modeling, Data collection ... 02244
Mapping, Satellite communications, Image processing, Greece ... 03685
Photography,
Aircraft, Remote sensing, Oil spills, Environmental monitoring ... 00534
Animation, Broadcasting, Video systems, Technology ... 02968
Cameras, Optics, Computer aided control, Microcomputers, Automation ... 02577
Cartography, Mapping, Distortion, Photogrammetry, Image processing ... 05347
Circuitry, Corrosion resistance, Surface protection, Chemical variables control ... 09273
Color, Remote sensing, Geography, Animal husbandry ... 02234
Computer aided analysis, Mapping, Image processing, Remote sensing ... 02245
Data bases, Image processing, Plotting, Minicomputers, Terrain analysis ... 00546
Dielectrics, Breakdown, Alkanes, Insulators ... 06582
Garnet, Integrated circuits, Switching, Liquid crystals, Magnetooptics ... 02554
Image processing, Ecology, Fisheries, Computer aided analysis, Identification ... 03993
Image processing, Geology, Software development, Pattern recognition ... 05361
Image processing, Remote sensing, Geology, Mapping, Identification ... 05357
Image processing, Toner, Concentration, Measurement, Gravimetry ... 06876
Lasers, Measurement, Instrumentation, Image processing, Holography ... 05780
Mapping, Geology, Image processing, Color, Simulation ... 02252
Mapping, Remote sensing, Ecology, Image processing, Shoreline erosion ... 02226
Microcomputers, Cameras, Optics, Films, Digitizing ... 01333
Nondestructive testing, Electromagnetics, Materials testing ... 08457
Optics, Telescopes, Automation, Scanning, Minicomputers ... 00377
Pattern recognition, Underwater technology, Optics, Automation ... 01535
Photometry, Image processing, Automation, Space technology ... 08705
Plasmas, Flux, Arcs, Magnetic fields ... 01640
Remote sensing, Agriculture, Microcomputers, Classification, Mapping ... 02235
Remote sensing, Technology transfer, Geography, Satellite communications ... 02197
Remote sensing, Waves, Oceanography, Boundary layers ... 03707
Scanning, Sonar, Underwater technology, Oceanography, Research and development ... 05371
Soil science, Erosion, Computer aided analysis ... 08646
Solar energy, Remote sensing, Computer programs, Mapping ... 02259
Training, Helicopters, Computer graphics, Image processing, Cell texturing ... 03635
Photoionization,
Electron density, Temperature, Lasers, Plasmas, Nitrogen ... 07356
Infrared, Detectors, Hydrocarbon processing ... 00277
Polarization, Fluorescence ... 02531
Photolithography,
Antennae, Far infrared, Detectors, Image processing, Dissertation ... 06734
Fabrication, Random access memory ... 04488
Length measurement, Metrology, Optimization ... 02539
Niobium, Logic circuits, Integrated circuits, Tunnel junctions ... 04070
Optical systems, Optimization ... 02538
Planar processes, Fabrication, MOSFET, Transistors, Dissertation ... 05974
Resists, Doping, Integrated circuits, Etching ... 02535
Semiconductors, Doping, Integrated circuits, Microelectronics ... 02830
Photoluminescence,
Cadmium manganese telluride, Cadmium manganese selenide, Alloys, Dissertation ... 02706

Photolysis,
Actinometers, Organic compounds, Poly(methyl methacrylate) 05140
Photometers,
Optics, Spectral analysis, Microcomputers, Kinematics, Dissertation 03982
Photometry,
Charge coupled devices, Image processing, Pulsars, Radio astronomy 07070
Infrared, Ellipsometry, Fourier transforms, Spectrometers, Retarders 08407
Infrared, Telescopes, Satellites, IRAS 07076
Mirrors, Filters 08924
Photography, Image processing, Automation, Space technology 08705
Photomultipliers,
Cameras, Signals, Encoding, Anger camera 06891
Design, Magnetic variables control 05591
Electrodes, Discharges, Gases, Pressure, Electrostatics 09076
Gain, Current, Time measurement 05590
Gamma radiation, Detectors, Amplitude, Resolution 05156
Hodoscopes, Scintillators, Resolution 05588
Lasers, Photons, Diffraction, Statistical analysis 07255
Plasmas, Amplifiers, Electron beams 00763
Pulse generation, Light emitting diodes, Frequency 02448
Research and development, Photons, Detectors 03917
Time measurement, Simulation 05589
Photons,
Cryogenics, Refrigeration, Light emitting diodes 00821
Diffraction, Lasers, Statistical analysis, Photomultipliers 07255
Electron beams, Radiology, Linear accelerators, Automatic control 01671
Fourier transforms, Spectrometers, Signal to noise ratio 08437
Frequency, Switching, Modulation, Lasers, Dissertation 06733
Interferometry, Light scattering, Image processing 00013
Lasers, Harmonics, Superconductors, Excitons, Electromagnetic waves 04000
Pumping, Gas lasers, Absorption, Carbon monoxide 04032
Research and development, Detectors, Photomultipliers 03917
Spectrometers, Hodoscopes, Convertors, High energy physics 05081
Statistical analysis, Optics, Bistability, Resonators, Lasers 03952
Thallium halides, Absorption, Lasers, Acoustooptics, Spectroscopy 02555
Waveguides, Frequency, Echo 09111
Photoreceptors,
Bonding, Xerographics, Image processing, Dielectric constants 01105
Light emitting diodes, Wavelengths, Stability, Selenium 07301
Printers, Light emitting diodes, Scanning 05696
Photoresists,
Excimer lasers, Lithography, Ultraviolet 09051
Fabrication, Chemical variables measurement, Printed circuit boards 00831
Holography, Optical variables measurement, Surface properties, Quartz 07439
Irradiation, Ultraviolet, Excimer lasers, $Ag_2Se/GeSe_2$ 04044
Microlithography, Chemical variables measurement 00830
Optical systems, Performance, Contrast, Image processing 02540
Plating, Solar cells, Materials planning and control 00225
Photosensors,
Metal oxide semiconductors, Silicon, Charge coupled devices, Dissertation 01148
Zinc selenide, Thin films, Heterojunctions, Photoconductivity 00766
Phototransistors,
Heterojunctions, Spectral analysis, Noise, Frequency, InGaAsP/InP 07257
Sensitivity, Optical communications 00768
Solar collectors, Position control, Solar cells, Photovoltaics 06673
Photovoltaic effect,
Pressure, Ionization, Electric fields 05810
Semiconductors, Schottky diodes, Solar cells, Doping 03930
Thermal variables measurement, Capacitance, Pn junctions 03354
Photovoltaics,
Arrays, Design, Costs 08341
Capital investment, Utilities, Solar power generation 03368
Charge carriers, Service life, Junctions 00789
Coatings, Charge carriers, Photoconductivity 02503
Cost benefit analysis, Systems design, Electric power generation 01766
Current voltage, Temperature, Silicon 03941
Electric fields, Solar cells, Modular design 08328
Electric power generation, Solar energy, Dispersion 00802
Electrochemistry, Semiconductors, Energy conversion, Numerical analysis 01114
Energy conversion, Electric power generation, Semiconductors, Electrodes 05002
Energy conversion, Research and development, Silicon, Solar cells 01815
Energy conversion, Silicon, Solar cells, Fabrication 02508
Energy sources, Research and development, Technological forecasting 08872
Heterojunctions, Cadmium sulfide, Chromium telluride 00215
Heterojunctions, Solar cells, Thin films, Optical analysis, $CdS/CuInSe_2$ 07268
Inverters, Capacitors, Systems design, Voltage, Harmonics 01721
Inverters, Switching, Harmonics, Voltage, Motors 08874
Materials planning and control, Cadmium sulfide, Cuprous sulfide, Fabrication 00795
Metals, Contacts, Polyacetylene, Current voltage, Photoconductivity 05147
Modules, Design, Structural analysis, Research and development 06980
Photovoltaic effect, Energy conversion, Films, Absorption, Resonance 02497
Photovoltaic effect, Lasers, Ionization, Signal processing, Interference 02610
Position control, Solar collectors, Solar cells, Phototransistors 06673
Power systems, Electric power generation, Voltage, Atmospheric conditions 01812
Power systems, Transformers, Thyristors, Transistors, Standards 05656
Public health, Solar energy, Risk assessment, Fires 00221
Research and development, Government agencies, United States 03385
Research and development, Silicon, Amorphous materials, Bibliography 06670
Schottky barriers, Solar cells, Illumination 05641
Semiconductors, Electrodes, Energy conversion, Modeling, Dissertation 05607
Silicon, Solar cells, Energy conversion 07265
Silicon, Solar cells, Energy conversion, Performance 05617
Silicon, Solar cells, Fabrication, Lifetimes 03947
Solar cells, Arrays, Design, Power 00210
Solar cells, Cadmium sulfide, Films, CdS/CdTe 05621
Solar cells, Computer aided analysis, Solar energy, Temperature 05616
Photovoltaics, (continued)
Solar cells, Concentrators, Thermal variables measurement, Open circuit voltage 05
Solar cells, Design, Fabrication, Cost benefit analysis 05
Solar cells, Economics, Technological forecasting 08
Solar cells, Energy conversion, Energy resources, Technological forecasting 05
Solar cells, Energy conversion, Thin films, Cost benefit analysis 02
Solar cells, Photodevices, Irradiation, Shading 05
Solar cells, Pn junctions, Diffusion, Recombination, Gallium arsenide 03
Solar cells, Polymers, Matrices, Design, Materials testing 00
Solar cells, Sheet resistance, Computer aided analysis, Mathematical models 08
Solar cells, Solar energy, Energy conversion 03
Solar cells, Thin films, Heterojunctions, $CuInSe_2/CdZnS$ 05
Solar cells, Voltage, Silicon, Doping, Performance 08
Solar collectors, Chromium nitride, Electrodeposition, Crystal growth 02
Solar collectors, Position control, Optimal control, Computer aided analysis 05
Solar energy, Coatings, Optical properties, Research and development 06
Solar energy, Concentrators, Research and development 08
Solar energy, Economics, Technological forecasting 08
Solar energy, Energy conversion 06
Solar energy, Energy conversion, Research and development 08
Solar energy, Energy conversion, Solar cells, Semiconductors 03
Solar energy, Systems analysis, Performance 00
Structural analysis, Solar cells, CuInSe/CdS 00
Substrates, Stability, Thermal variables measurement, Structural analysis 00
Thermionic emissions, Energy conversion, Diodes, Cells 08
Thin films, Chemical variables measurement, Fabrication 00
Phthalocyanine,
Films, Electrical conductivity, Adsorption, Nitrogen dioxide, Sensors 03
Physical properties,
Liquid crystals, Optical communications, Converters, Voltage, Performance 07
Thermal variables measurement, Deformation, Instrumentation, Materials testing 06
Physics,
Metal oxide semiconductors, Field effect transistors, Integrated circuits 02
Physiology,
Positron emission tomography, Kinematics, Radioisotopes, Biology 00
Piezoelectricity,
Acoustooptics, Transducers, Design, Focusing, Dissertation 09
Amplifiers, Sensors, Vibration, Accelerometers 00
Biomedical engineering, Electromagnetic waves, Torsion, Ultrasonics, Bones 02
Cells, Excitation, Mathematical models 09
Electrostatics, Electromagnetic waves, Semiconductors, Plasmas 03
Flowmeters, Transducers, Pressure 01
Frequency, Electric fields, Vibration 01
Lead titanate zirconate, Ceramics, Dielectricity, Temperature 02
Niobates, Ceramics, Anisotropy 05
Polymers, Fiber optics, Sensors, Electric fields 01
Polysilicon, Electrical conductivity, Thermionic emission, Dissertation 05
Pressure, Frequency, Measurement, Zinc oxide, Silicon 08
Pressure, Gauges, Economics, Design 04
Quartz, Harmonics, Ultrasonics, Dissertation 02
Quartz, Vibration, Frequency, Electromagnetic waves 01
Resonators, Reflection, Frequency 01
Semiconductors, Plasmas, Indium antimonide, Electromagnetic waves, Acoustics 04
Sensors, Ultrasonics, Amplitude, Magnetometers 06
Standards, Vibration, Stress, Electric fields 090
Stress, Temperature, Switching, Quartz, Synthetic crystals 090
Surface acoustic waves, Computer aided analysis, Charge carriers, Current 026
Surface acoustic waves, Flow of gases, Oscillators, Configurations 019
Surface acoustic waves, Semiconductors, Doping, Gallium arsenide 084
Surface acoustic waves, Transducers, Optics, Waveguides, Zinc oxide 056
Surface acoustic waves, Wave propagation, Quartz, Electrodes 019
Thermal variables measurement, Electric variables measurement, Acoustics 042
Torsion, Crystals, Electric fields, Potentials 010
Transducers, Acoustics, Arrays, Goal programming, Mathematical models 026
Transducers, Circuitry, Voltage, Testing, Dissertation 091
Transducers, Excitation, Surface acoustic waves, Glass, Ceramics 051
Transducers, Frequency, Numerical analysis 026
Transducers, Nondestructive testing, Research and development 090
Transducers, Polyvinylidene fluoride, Voltage 058
Transducers, Pressure measurement, Polymers 010
Transducers, Recording systems, Pressure, Lithium iodate, Video systems 091
Transducers, Temperature, Silicon, Thin films, Doping 043
Transducers, Ultrasonics, Receivers 055
Transducers, Vibration, Frequency 043
Transformers, Filters, Circuitry 038
Ultrasonics, Surface acoustic waves, Sensors, Dissertation 051
Waveguides, Transducers, Electromagnetic waves, Distortion 026
Piezometers,
Capacitance, Transducers, Pressure, Volume measurement, Liquids 075
Piezoresistivity,
Integrated circuits, Pressure measurement, Silicon, Sensors 026
Pressure, Sensors, Biomedical engineering 086
Sensors, Pressure, Integrated circuits, Bipolar transistors 026
Pipelines,
Acoustics, Damping, Pulse generation, Resonance, Pressure measurement 019
Flow, Computers, Perturbation, Modeling, Dissertation 087
Flowmeters, Turbines, Reliability, Economics, Research and development 035
Integrated circuits, Chips, Filtering, Sequences, Approximations 023
Magnetic variables measurement, Circuitry, Inspection, Nondestructive testing 058
Magnetic variables measurement, Nondestructive testing, Stress, Bending 0031
Oil, Electric power generation, Generators, Pumps, Batteries 049
Oil refining, Telemetry, Leak detection, Microprocessors 045
Underwater technology, Electric power generation, Energy conversion 018
Water supply, Maintenance, Radio communications, Mobile systems 045
Pipelining,
Area-time complexity, Data rate, Fourier transforms 059

elining, (continued)
rrays, Processors, Architecture, Radar 06298
ecoding, Error correcting codes, Parallel processing, Architecture 09579
arallel processing, Filters, Algorithms, Residue Number System 08767
rocessors, Microelectronics, Arithmetic circuits, Fabrication 03829
es,
ivil engineering, Data bases, Reliability, Stress, Mechanical strength 02636
onvection, Heat transfer, Cables, Numerical analysis 04918
agnetic variables measurement, Flowmeters, Probes, Economics 03493
ffshore structures, Welding, Remote sensing, Underwater technology, Automation 00445
adio frequency, Welding, Heat treatment 01896
ltrasonics, Inspection, Drilling, Transducers 05834
Welding, Furnaces, Manufacturing, Inspection, Transducers 05067
Welding, Joints, Coil winding machines, Transducers 01079
els,
mage processing, Coding, Operators, Functions, Filtering 03180
mage processing, Optics, Functions, Flow, Numerical analysis 05712
mage processing, Radiance, Scattering, Optics, Statistical analysis 00538
nning,
ircraft, Electric power apparatus, Design, Costs 08586
Electric power distribution, Loading, Resource management 06688
Electric power distribution, Modeling, Economics, Flow, Algorithms 06570
Electric power generation, Control systems, Book 06705
Electric power generation, Mixing, Technology, Optimization, Energy 04892
Electric power generation, Optimization, Finance, Organization and methods 06681
Electric power generation, Reliability, Economics, Modeling, Probability 04916
Electric power generation, Utilities, Mathematical models 08347
Electric power transmission, Forecasting, Error, Loading, Failure 05016
Electric vehicles, Technology, Research and development, Finance, Testing 05430
Electronic mail, Traffic, Economics, Management 09452
ndustry, Power systems, Reliability, Power supply 08367
Loading, Optimization, Business forecasting, Costs, Electric power transmission 01762
Military, Electronic mail, Technology, Testing 06088
Military engineering, Space technology, Weapons, USSR, United States 08612
Office automation, Integrated systems, Interfaces, Machine machine interactions 03757
Power systems, Automatic control 06704
Power systems, Energy conservation 06708
Power systems, Modeling, Loading, Control 08344
Robots, Computer aided control, Numerical analysis, Dynamics, Computer programs 06914
Robots, Computer aided design, Simulation, Process development 06906
Robots, Technology, Artificial intelligence, Telepresence 05207
Satellites, Broadcasting, Televisions, Modeling, Research and development 06171
Scheduling, Coordination, Thermal variables measurement 01778
Telecommunications, Communication networks, Integrated systems, Economics 04664
Telecommunications, Information processing, Technology 07082
Telecommunications, Modeling, Developing countries, Government policies 06096
Utilities, Electric power generation, Dynamic programming, Expansion planning 06619
ant and factory layout,
Materials testing, Gain, Standards, Photodevices, Solar energy 01831
asmas,
Accelerators, Space technology, Propulsion, Current voltage 08615
Amplifiers, Electron beams, Photomultipliers 00763
Antennae, Signal processing, Lifetimes, Amplitude, Noise 08058
Antennae, Tokamaks, Fusion reactors, Alfven waves, Dissertation 08054
Arcs, Electrons, Magnetic fields, Induction 08055
Argon, Probes, Impedance, Magnetohydrodynamics 06641
Boron chloride, Etching, Aluminum, Integrated circuits, Fabrication 02860
Current, Arcs, Electrodes, Magnetic fields 09072
Cyclotrons, Electromagnetic waves, Radio frequency, Current, Dissertation 00302
Detectors, Magnetosphere, Satellites, Spacelab 00490
Dielectric constants, Wave propagation, Millimeter waves, Phase shifts 07480
Displays, Electrodes, Cesium, Breakdown, Voltage 08863
Dynamics, Lasers, Irradiation, Thermal variables measurement 07343
Electrodes, Magnetic fields, Arcs, Vacuum technology 09071
Electrodes, Perturbation, Ionization, Recombination 04297
Electromagnetic waves, Probes, Current voltage, Electrodes 00033
Electromagnetic waves, Signal processing, Cross sectional measurement 03226
Electromagnetic waves, Wave propagation, Dielectrics, Frequency 06447
Electromagnetic waves, Wave propagation, Diffraction, Scattering 06450
Electromagnetic waves, Wave propagation, Electric fields, Stability 08059
Electromagnetic waves, Wave propagation, Oscillation 06419
Electromagnetics, Wave propagation, Diffraction, Numerical analysis 08060
Electron beams, Frequency, Microwaves, Solar energy, Dissertation 00036
Electron beams, Infrared, Backscattering, Lasers 00032
Flux, Arcs, Magnetic fields, Photography 01640
Gas lasers, Signal processing, Focusing, Aluminum, Ion collectors 09054
Gas lasers, X-rays, Emissions, Thermal variables measurement 07441
Heat transfer, Optical analysis, Argon, Magnetohydrodynamics 03320
Heating, Magnetohydrodynamics, Tokamaks, Frequency 08291
Heating, Tokamaks, Wave propagation, Coupling 08292
Insulators, Magnetic fields, Pulse generation, Ions, Dissertation 00263
Ionosphere, Space technology, Stainless steel, Current voltage, Scaling laws 08284
Ions, Metals, Magnetic fields, Beam propagation 06724
Lasers, Electromagnetics, Absorption, Propulsion 08022
Lasers, Magnetic fields, Signal processing, Ions, Dissertation 00264
Lasers, Metals, Surface properties, Absorption, Optics 05791
Lasers, Nitrogen, Electron density, Temperature, Photoionization 07356
Lasers, Radiation, Energy, Absorption 07347
Lasers, Resonance, Gyrotrons, Space charge 08489
Lasers, Ultraviolet, Emissions 05052
Lasers, X-rays, Emissions, Spectral analysis 07346
Magnetic fields, Electrostatics, Space charge 06645
Magnetic fields, Pressure, Electrons, Absorption, Computer aided analysis 06632
Magnetic variables measurement, Electric power generation, Magnetohydrodynamics 01789
Magnetics, Surface waves, Wave propagation, Semiconductors 01641
Magnetohydrodynamics, Electrons, Stability, Frequency 06634

Plasmas, (continued)
Magnetostatics, Wave propagation, Conductivity 00029
Microwaves, Cavities, Waveguides, Frequency 00035
Mirror machines, Fusion, Magnets, Power systems, Computer aided control 08277
Mirror machines, Fusion, Power systems, Energy conversion 06638
Modeling, Erosion, Switches, Current voltage, Impedance 06629
Modeling, Ionosphere, Wave propagation, Transmitters, Heterodyne reception 07072
Modulation, Radio frequency, Power systems, Chemical variables measurement 00737
Piezoelectricity, Semiconductors, Indium antimonide, Electromagnetic waves 04824
Plasma heating, Holography, Reflectors, Polarization, Optics 06630
Plasma heating, Stability, Tokamaks 06631
Propulsion, Ignition, Semiconductors, Spark gaps, Impedance, Pulse generation 02111
Pulse generation, Synchronization, Ruby lasers 07213
Radiation, Satellites, Antennae, Performance 08056
Radio astronomy, Radio frequency, Electromagnetic waves, Jets 06446
Radio frequency, Scattering, Electromagnetic waves, Gas lasers, Dissertation 00973
Radio frequency, Schottky diodes, Tunnel junctions, Superconductivity 04219
Recombination, Numerical analysis, Ultraviolet, X-rays, Amplification 08057
Refraction, Electron density, Ruby lasers, Interferometers 00945
Resists, Ultraviolet, Integrated circuits, Stability 02536
Semiconductors, Magnetization, Resonance, Millimeter waves, Wave propagation 00031
Semiconductors, Piezoelectricity, Electrostatics, Electromagnetic waves 03228
Semiconductors, Stability, Dispersion, Numerical analysis 03230
Semiconductors, Transport properties, Microwaves, Wave propagation 03231
Simulation, Atmospheric conditions, Geophysics, Modeling 00577
Solenoids, Design, Superconductors, Magnets, Fusion 07453
Solenoids, Mirrors, Magnetohydrodynamics 06644
Spacecraft, Solar energy, Thermal insulation, Current, Dissertation 02495
Spectrometers, Chemical variables measurement, Radiative transfer 04004
Spectroscopy, Neodymium, Lasers 07435
Stability, Germanium, Oscillators, Hysteresis 00320
Superconductivity, Tokamaks, Pulse generation, Coil winding machines 04254
Tokamaks, Carbon, Silicon, Probes 06633
Tokamaks, Current, Drives, Transformers 00165
Tokamaks, Electron density, Measurement, Lasers, Interferometers 09046
Transmission lines, Wave propagation, Electromagnetic waves, Attenuation 06449
Turbulent flow, Geomagnetism, Electromagnetic waves 03229
Wave propagation, Electrons, Electrostatics 00003
Wave propagation, Signal converters, Electromagnetic waves, Electron beams 00034
Plasmons,
Polaritons, Surface properties, Light, Emissions, Tunnel junctions 09204
Plasticity,
Ceramics, Fatigue, Electric power transmission, Acoustic emissions 03305
Crack propagation, Geology, Soil science, Loading, Modeling 03694
Plastics,
Electric appliances, Domestic appliances, Thermal insulation 02459
Gamma radiation, Radiation dosimetry 03909
Moisture control, Packaged components, Integrated circuits 06086
Nondestructive testing, Acoustics 01974
Organic compounds, Film growth, Contacts, Printed circuit boards, Testing 05560
Polystyrene, Light, Scintillation, Pulse generation 08510
Plastics industry,
Measurement errors, Ultrasonics, Nondestructive testing, Quality control 00347
Plating,
Ions, Solar cells, Coatings 00224
Solar cells, Photoresists, Materials planning and control 00225
Platinum,
Gases, Sensors, Surface properties, Palladium, Service life 03552
Interfaces, Strontium titanate, Surface properties, Photodecomposition 06879
Schottky diodes, Silicon, Barrier heights, Current voltage 05916
Titanium, Ohmic contacts, Semiconductor lasers, Annealing, Blistering 04028
Plotters,
Computer graphics, Economics 05387
Recording systems, Optics, Image processing, Error 06133
Plotting,
Data bases, Image processing, Photography, Minicomputers, Terrain analysis 00546
Displays, Formatting, Software packages, Man machine interactions 03743
Fast Fourier transforms, Algorithms, Spacecraft, Instrumentation, Geometry 05281
Mapping, Computer aided analysis, Cartography, Resource management 02250
Mapping, Raster displays, Data structure, Image processing 02232
Software, Input, Stability, Guidance and control systems, Aircraft 00466
Plug compatibility,
Communication networks, Office automation, Word processors, Standards 06193
Communication networks, Packet switching, Integrated systems, Formatting 06238
Electronic mail, Speech recognition, Private branch exchange, Switching 04612
Fiber optics, Local area networks, Fibernet II 04572
Geometry, Computer aided design, Computer aided manufacturing, Raster displays 02298
Instrumentation, Microprocessors, Data collection 05141
Interfaces, Communication networks, Internet 05412
Interfaces, Local area networks, Architecture 05413
Local area networks, Controllers, Terminals, Multiprocessing, Memory 02304
Local area networks, Mainframes, Minicomputers 05411
Local area networks, Protocols, Standards 05414
Local area networks, Software development, Processors 08713
Modules, Terminals, Machine machine interactions, Circuitry, Algorithms 06889
Personal computers, Programming languages, Software packages 02286
Private branch exchange, Architecture, Switching, Communication networks 09456
Pn junctions,
Bipolar transistors, Electric fields, Pressure, Carrier density, Transducers 01070
Breakdown, Voltage, Electric fields 02724
Capacitance, Diodes, Switches, Filters 02691
Capacitance, Thermometers, Silicon, Germanium 00252
Charge carriers, Current density, Voltage, Solar cells 03929
Contacts, Metal oxide semiconductors, Electrical resistivity, Sintering 02825
Current voltage, Metal oxide semiconductors, Space charge, Recombination 09236
Defects, Electric fields, Spectroscopy, Carrier mobility, Nickel 02699

Pn junctions, (continued)
Emitters, Diffusion lengths, Recombination, Surface properties, Doping 04377
Gallium arsenide, Ionization, Electrons, Impact testing 00267
Gallium arsenide, Semiconductors, Breakdown, Voltage, Doping 04371
Gallium arsenide, Transistors, Masks, Space charge 01161
Gallium phosphide, Light emitting diodes, Capacitance, Relaxation, GaP:Zn:O 07302
Gallium phosphide, Light emitting diodes, Degradation, Dislocations 05677
Gallium phosphide, Liquid phase epitaxy, Light emitting diodes, Visible range 00820
Heterojunctions, Current voltage, Carrier concentration, Space charge 07570
Heterojunctions, Thermal variables measurement, Capacitance 03354
Indium antimonide, Current voltage, Beryllium, Ion implantation, Logic circuits 08414
Indium phosphide, Diodes, Fabrication, Ion bombardment, Epitaxial growth 07549
Ion implantation, Field effect transistors, Metal oxide semiconductors 02747
JFET, Gallium arsenide, Doping, Zinc, Arsenic 05976
Magnetometers, Charge carriers, Magnetic fields, Current 01953
Metal oxide semiconductors, Integrated circuits, Photodiodes 02704
Metal oxide semiconductors, Transistors, Varactors, Capacitance voltage 02748
Open circuit voltage, Silicon, Solar cells, Charge carriers, Lifetimes 05004
Passivation, Silicon dioxide, Anodes, Oxidation 01167
Photovoltage, Doping, Degeneracy, Silicon 03918
Recombination, Leakage current, Photons, Charge carriers, Bias 02693
Scanning electron microscopy, Solar cells, Short circuits, Electron beams 02520
Schottky diodes, Contacts, Transport properties, Charge carriers 04385
Semiconductors, Doping, Recombination, Space charge, Computer aided analysis 05911
Semiconductors, Transport properties, Thermodynamics, Coulomb low 01120
Semiconductors, Valence, Electrons, Breakdown, Theoretical analysis 01126
Silicon, Solar cells, Fabrication, Dissertation 00791
Silicon, Solar cells, Fabrication, Schottky barriers 05640
Silicon, Solar cells, Point defects 08338
Solar cells, Fabrication, Diffusion, Gallium arsenide 03945
Solar cells, Ion implantation, Bandwidths, Sensors 00779
Solar cells, Photovoltaics, Diffusion, Recombination, Gallium arsenide 03946
Transistors, Silicon, Magnetic fields, Sensors 06836
Pneumatic systems,
Electrostatics, Spark gaps, Electrodes, Discharges, Protective circuits 03883
Point of sale terminals,
Power supply, Protection, Word processors, Portability, Systems design 03753
Polaritons,
Plasmons, Surface properties, Light, Emissions, Tunnel junctions 09204
Surface properties, Amplification, Current, Silicon, Electromagnetic waves 03221
Polarization,
Absorption, Scattering, Wave propagation, Foliage 00010
Antennae, Sensors, Frequency, Electromagnetic fields, Poynting vectors 06493
Antennae, Signal processing, Channels 04841
Antennae, Wave propagation, Electromagnetics 08100
Antennae, Wave propagation, Interference, Communications 08106
Atmospheric conditions, Electromagnetic waves, Signal processing 02890
Batteries, Current density, Discharges 08305
Beam propagation, Directivity, Horn antennae, Standards 01666
Birefringence, Fiber optics 09383
Birefringence, Fiber optics, Cables 07770
Cadmium selenide, Electrodes, Luminescence, Spectral analysis 03954
Coatings, Dye lasers, Gain, Cavities, Reflection 00910
Coherence, Radio frequency, Wave propagation, Precipitation 01616
Converters, Phase shifts, Antennae, Diodes 04844
Current, Electrodes, Corrosion, Simulation 00260
Current, Insulators, Thermal variables measurement, Circuitry 00287
Dielectrics, Electrets, Transducers, Voltage 07501
Dispersion, Fiber optics, Phase shifts, Birefringence 07767
Dry cells, Electrodes, Potentials, Corrosion, Quality control 06650
Electric power transmission, Frequency, Electromagnetic fields, Waveguides 05828
Electrical conductivity, Electromagnetic fields, Minerals and ores, Geodesy 03219
Electrodes, Electrodialysis, Service life 02321
Electromagnetic fields, Scattering, Frequency, Maxwell equations, Dissertation 08004
Electromagnetic fields, Wave propagation, Numerical analysis, Quantum mechanics 08008
Electromagnetic waves, Numerical analysis, Wave propagation, Scattering 00016
Electromagnetic waves, Wave propagation, Surface properties 03224
Electromagnetics, Numerical analysis, Maxwell equations 04806
Electromagnetics, Wave propagation, Fiber optics, Modes, Birefringence 01355
Fabrication, Filters, Infrared, Polyethylene 01906
Fiber optics, Birefringence, Stress 04564
Fiber optics, Birefringence, Stress 09372
Fiber optics, Couplers, Birefringence, Fabrication 09361
Fiber optics, Modes, Coupling, Classification 01349
Fiber optics, Sensors, Waveguides, Coupling 07486
Fiber optics, Stress, Tensile testing, Finite element method 09380
Fiber optics, Stress, Tensile testing, Finite element method 09381
Fluorescence, Photoionization 02531
Fuel cells, Electrochemistry, Charge, Calcium 00186
Gas lasers, Oscillation 09017
Hollow cathodes, Radiation, Discharges 05811
Holography, Recording systems, Diffraction, Wave propagation, Optics 09044
Holography, Reflectors, Plasma heating, Optics 06630
Ice, Backscattering, Electromagnetic waves, Radar 01633
Ice, Microwaves, Communications, Space technology 09577
Interferometers, Cyclotrons, Tokamaks, Mirrors 06506
Interferometers, Far infrared, Fourier transforms, Spectroscopy 07335
Interferometers, Thin films, Thickness measurement, Lasers 03486
Kinematics, MNOS, Transistors, Temperature, Electric fields 05931
Lasers, Pulses, Geometry, Lidar, Optical axes misalignment 02606
Lasers, Spectroscopy, Alkaline earths, Noble gases 07345
Magnetics, Superconductors, Phase transitions, Erbium rhodium boride 05802
Mapping, Image processing, Moon 08701
Metals, Alloys, Defects, Electrodes, Potentials 05142
Metals, Electromagnetic fields, Elasticity, Resonance 07513
Millimeter waves, Materials testing 01899
Polarization, (continued)
Optical analysis, Fiber optics 09
Pattern recognition, Reflector antennae, Horn antennae, Radiation 04
Phases, Interferometry, Microprocessors, Analog to digital conversion 00
Radar, Detectors, Statistical analysis 01
Radar, Frequency, Simulation, Systems design, Fast Fourier transforms 06
Radar, Image processing, Statistical analysis, Oceanography 07
Radar, Receivers, Antennae, Cross sectional measurement 07
Radar, Scattering, Interference, Atmospheric conditions 09
Radar, Signal processing, Optimization, Antennae, Microwave devices 01
Radiators, Waveguides, Coupling, Antennae 08
Radio astronomy, Spectral analysis, Mapping, Galaxies 07
Radio frequency, Radioastronomy, Detectors, Pulse generation 03
Radios, Frequency, Digital systems, Spectral analysis 09
Resonators, Dielectrics, Oscillation, Spectral analysis, Dielectrics 04
Rotating bodies, Wires, Antennae, Transmission 06
Semiconductors, Charge density, Electrons, Magnetic fields 01
Semiconductors, Dielectric constants, Polymers, Dissertation 09
Surface acoustic waves, Voltage, Sensors, Thermal variables measurement 01
Thermal variables control, Microscopy, Cryogenics, Reflectivity 00
Wave propagation, Current, Antennae, Integral equations 08
Wave propagation, Reflection, Electromagnetics 08
Waveguides, Fiber optics, Mathematical models 09
X-rays, Scattering, Spectral analysis, Cross sectional measurement, Ionosphere 08
Polarizers,
Fiber optics, Stress, Fabrication 04
Political science,
Telecommunications, Data processing, Worldwide network, Technology 01
Telecommunications, Government policies, Technological forecasting 01
Pollution,
Pollutant detection, Atmosphere, Gas chromatography, Calibration 08
Pollutant detection, Atmosphere, Gas chromatography, Calibration 08
Pollution control,
Discharges, Pulse generation, Detectors, Dissertation 01
Education, Power plants, Transmission lines, Environmental protection 05
Electrostatics, Electronic equipment, Programmable calculators, Data collection 02
Energy conservation, Batteries, Lead, Japan 06
Failure, Statistical analysis, Insulators, Conductivity, Standards 02
Gases, Contaminants, Particulates, Aerospace engineering 00
Government regulations, Contamination, PCB compounds, Transformers 04
Soil science, Agriculture, Research and development, Remote sensing 07
Spectrometers, Microwaves, Chemical variables measurement, Resonators 01
Polyacetylene,
Metals, Contacts, Current voltage, Capacitance voltage, Photoconductivity 05
Polyethylene,
Filters, Infrared, Fabrication, Polarization 01
Insulators, Lifetimes, Statistical analysis 06
Insulators, Wire, Telecommunications, Copper, Stability 07
Millimeter waves, Refraction, Thermal variables measurement, Interferometers 08
Oxidation, Electrical conductivity, Charge carriers, Injection 05
Radiation, Dosimetry, Absorption, Quality control 03
Stress, Voltage, Defects, Insulators 05
Transmission lines, Fabrication, Fault detection, Insulators, Stress 00
Polyethylene terephthalate,
Electroluminescence, Electrons, Injection, Voltage, Space charge 05
Polyimides,
Insulators, Electric power distribution, Wire processing, Coatings 03
Polymerization,
Electrons, Accelerators, Chemical variables control, Electron beam curing 03
Polymers,
Actinometers, Photolysis, Organic compounds, Poly(methyl methacrylate) 05
Biomedical engineering, Performance, Elasticity, Molding, Materials testing 086
Breakdown, Service life, Transmission lines, Voltage 00
Cables, Electric power transmission, Soil science, Systems design 026
Cables, Insulators, Combustion 074
Cables, Recycling, Industrial waste disposal, Process development 01
Cathodes, Lithium, Primary cells 08
Conductors, Color, Electrooptics, Switching 00
Cryogenics, Stiffness, Internal stress, Book 07
Deformation, Transmission lines, Chemical variables measurement, Insulators 00
Electric power transmission, Cables, Thermal insulation, Water, Service life 04
Electrical conductivity, Doping, Semiconductors, Dissertation 067
Eye diseases, Lasers, Radiation 00
Field effect transistors, Encapsulation, Automation, Process development 07
Heat treatment, Transducers, Moisture measurement, Ageing 020
Insulators, Electric power distribution, Voltage, State of the art, Standards 08
Insulators, Surface properties, Voltage, Short circuits 04
Integrated circuits, Electrodes, Current, Optical devices 027
Irradiation, Damage, Nickel, Hydrogen, Cells 066
Magnetic tapes, Friction, Surface properties, Materials testing, Performance 07
Mass spectrometers, Process control, Solvents, Resins 00
Materials testing, Voltage, Circuitry, Electric power generation 05
Organic compounds, Solar cells, Fabrication, Film growth 03
Piezoelectricity, Fiber optics, Sensors, Electric fields 013
Pressure measurement, Piezoelectricity, Transducers 010
Product development, Insulators, Transmission lines, Cables 017
Radiation, Dosimetry, Cables, Materials testing, Magnetic fields 039
Radiation, Dosimetry, Cables, Technology, Insulators 039
Semiconductors, Dielectric constants, Polarization, Dissertation 091
Sensors, Moisture measurement, Semiconductors, Product development 010
Solar cells, Modular design, Packaged components 002
Structural analysis, Circuitry, Packaging, Composite materials 060
Tensile strength, Thermal insulation, Rotating bodies, Fatigue, Machinery 048
Thermal insulation, Electric variables measurement, Flames, Ceramics, Circuitry 065
Ultrasonic testing, Hydrophones, Frequency, Signal to noise ratio, Acoustics 035

rolefins,
sulators, Transmission lines, Electric power transmission, Cables 01746
phenylacetylene,
ectrical conductivity, Doping, Semiconductors, Dissertation 06726
propylene,
astor oil, Capacitors, Dielectric permittivity, Materials planning and control 01106
olar energy, Far infrared, Composite materials, Filters 03785
silicon,
uminum, MOSFET, Fabrication, Heat treatment 07668
polar transistors, Fabrication, Etching, Hydrofluoric acid 07563
arrier mobility, Carrier density, Doping, Grain boundaries, Barrier heights 09079
MOS, Transistors, Magnetic fields, Sensors 03499
urrent voltage, Open circuit voltage, Solar cells, Photoconductivity 05144
iffusion, Grain boundaries, Recombination, Scanning electron microscopy 03558
lectrical conductivity, Doping, Thermionic emissions, Field emissions 07457
abrication, Circuitry, Random access memory 04487
abrication, Circuitry, Random access memory, Time measurement 04485
ield effect transistors, Design, CMOS, Doping, Integrated circuits 07596
ain, Etching, Bipolar transistors, Emitters 01175
ates, Leakage current, Current voltage, Capacitors, Memory 06885
rain boundaries, Current voltage, Doping, Temperature, Electrical resistivity 05902
Metal oxide semiconductors, Random access memory, Fabrication 04481
Microelectronics, Random access memory, Fabrication 04480
MOSFET, Power transistors, Frequency, Oscillation 07595
MOSFET, Transistors, Channels, Electrical conductivity 05956
Piezoelectricity, Electrical conductivity, Thermionic emission, Dissertation 05815
Resistors, Lasers, Crystallization, Pressure, Sensors 08850
Solar cells, Crystal structure, Technological forecasting, Costs 05610
Solar cells, Fabrication, Optimization, Photochemistry 07266
Transport properties, Diffusion, Current voltage, Current density 05901
ystyrene,
Light, Scintillation, Pulse generation 08510
Millimeter waves, Refraction, Thermal variables measurement, Interferometers 08950
Refractive indices, Millimeter waves, Fourier transforms, Spectroscopy 03561
ythiophene,
Films, Electrodes, Energy storage components, Batteries 01793
yvinylidene fluoride,
Acoustics, Transducers, Imaging, Dissertation 01076
Dielectrics, Capacitors, Discharges, Lifetimes 03899
Gamma radiation, Switching, Current 01914
Piezoelectricity, Transducers, Voltage 05844
Transducers, Impedance, Computer aided analysis, Dielectric constants 02655
rosity,
Acoustics, Waveguides, Resonance, Frequency, Cryogenics 08473
Electrodes, Diffusion, Electrochemistry 01799
Magnetic variables control, Convection, Flow, Compressible fluids 05089
Scattering, Wave propagation, Elasticity, Frequency, Velocity 03528
rtability,
Computer graphics, Displays, Silicon, Semiconductors, Transistors 07590
Data collection, Spectrometers, Microprocessors, Computer graphics 05064
Detectors, Gamma radiation, Monitoring 05164
Dosimetry, Monitoring, Radiation 05161
Hand held word processors, Microwriter 05390
Instrumentation, Precision engineering, Spectrum analyzers 03485
Magnetic bubbles, Memory, Data collection, Systems design 00511
Office automation, Communication networks, Terminals 02315
Pattern recognition, Color, Systems design 08639
Power supply, Protection, Word processors, Point of sale terminals 03753
Product development, Instrumentation, Spectral analysis, Tektronix 03484
Radiometers, Measurement, Computer aided analysis, Mobile systems 05363
rts,
Circuitry, Transmission, Numerical analysis, Passivity criterion, LTI networks 02410
Current, Locking, Injection, Oscillators 03860
Data collection, Measurement errors, Dielectric permittivity 01099
Field effect transistors, Networks, Circuitry, Signal processing, Dissertation 02774
Microwaves, Scattering, Networks, Computer aided analysis 00020
Networks, Current voltage, Graph theory 00295
Networks, Impedance, Power 08784
Noise, Power, Thermal variables measurement 09524
Transformers, Amplifiers, Frequency, Stability, Nonlinear programming 02676
sition control,
Aircraft engineering, Flight control systems, Feedback, Gain 05252
Aluminum, Counters, X-rays, Computer aided control 01885
Buoys, Sonar, Submarines, Underwater technology, Detectors 04729
Capital investment, Navigation, Technological forecasting 03096
Computer aided control, Work holders, Arc welding, Sensors, Image processing 00446
Computer aided manufacturing, Microcomputers, Metrology, Optical devices 02329
Design, Couplers, Phase shifts, Channels, Power systems 08125
Dredgers, Automatic control, State of the art 00553
Dredgers, Monitoring, Underwater technology 00554
Drives, Feedback, Process control, Machine tools 01688
Emitters, Antennae, Receivers, Power, Measurement 06488
Encoding, Fiber optics, Signal transmission, Reliability, Sensors 03569
Guidance and control systems, Spacecraft, Alignment, Velocity 02088
Gyroscopes, Motion, Spin, Acceleration, Space technology 06868
Inductance, Position control, Modeling, Finite element method 07520
Industrial processes, Control systems, Microprocessors 05223
Laser machining, Mechanical handling, Robots 06923
Legislation, Economics, Aircraft, Navstar 09496
Manipulators, Robots, Kinematics, Dynamics, Dissertation 03608
Marine engineering, Automatic control, Radar 04709
Marine engineering, Navigation, Acoustics 09488
Marine engineering, Navigation, Microprocessors 09484
Marine transportation, Navigation, Radios, Loran-C 09485
Mechanical handling, Assembling, Artificial intelligence, Robots 00415
Mechanical handling, Programmable controllers 08544

Position control, (continued)
  Mechanical handling, Robots 08527
  Motors, Drives, Simulation 00069
  Navigation, Gyroscopes, Lasers 03098
  Navigation, Offshore structures, Helicopters, Radio communications 09310
  Navigation, Technology, Government programs, NAVSTAR 03089
  Optical devices, Instrumentation, Photoelasticity, Polariscopes 05661
  Optics, Tracking, Modeling 02563
  Optimization, Guidance and control systems, Actuators, Sensors 05235
  Radar, Measurement errors 03101
  Radios, Interference, Tracking, Satellites 08617
  Radios, Receivers, Sensors, Integrated circuits, Navigation 04702
  Receivers, Space technology, Space shuttle 07858
  Robots, Artificial intelligence 05211
  Robots, Simulation 06924
  Satellite communications, Antennae, Tracking 03255
  Satellite communications, Government regulations 07807
  Satellites, Atmospheric conditions, Modeling 07064
  Satellites, Design, Filters, Temperature 07859
  Satellites, Navigation, Marine engineering, Technological forecasting 04700
  Sensors, Electrooptics, Circuitry, Space technology 08610
  Sensors, Inductance, Modeling, Finite element method 07520
  Solar cells, Absorption, Solar energy, Surface properties 03356
  Solar collectors, Optimal control, Computer aided analysis 05000
  Solar collectors, Phototransistors, Solar cells, Photovoltaics 06673
  Sonar, Remote sensing, Design, Performance 09519
  Space technology, Filters, Recursion, Tracking 02350
  Space technology, Missiles, Guidance and control systems, Reliability 05282
  Space technology, Rockets, Communications, Simulation 03648
  Space technology, Satellites 02095
  Spacecraft, Flight control systems, Transducers 09153
  Spacecraft, Guidance and control systems, Attitude control 02096
  Spacecraft, Guidance and control systems, Gyroscopes, Measurement errors 02091
  Spacecraft, Radios, Navigation, Tracking 08603
  Spacecraft, Solar arrays 02102
  Statistical analysis, Sensors, Uncertainty, Error 04334
  Synchronization, Radar, Distance measurement, Aircraft, Measurement errors 03100
  Tracking, Distance measurement, Signal reception, Doppler effect 09494
  Tracking, Radar, Remote sensing, Aerial bathymetry 04726
  Tracking, Sensors, Kalman filters 09493
  Transformations, Logic, Linkages, Representations 00385
  Underwater technology, Navigation, Robots 08538
  Weapons, Missiles, Simulation, Monte Carlo method 06981
Positron emission tomography,
  Kinematics, Radioisotopes, Biology, Physiology 00518
Potassium,
  Raman scattering, Ultraviolet, Lasers, Spectral analysis 05057
  Superconductivity, Phase transitions, Thermal variables control 01013
Potassium bromide,
  Infrared, Lasers, Tuning, Fluorescence, Lifetimes 08986
Potassium chloride,
  Infrared, Lasers, Tuning, Fluorescence, Lifetimes 08986
  Lattices, Crystal defects, Stacking faults, X-ray topography 03457
  Single crystals, Optics, Heat treatment, Lasers 08949
Potassium selenate,
  Ferroelectric crystals, Phonons, Lattices, Crystal defects 09174
Potentiometers,
  Coaxial cables, Transmission lines, Transducers, Field effect transistors 04445
  Electrodes, Fabrication, Coatings, Dissertation 01918
  Electrooptics, Photoconductors, Thermal variables measurement 08914
  Voltage, Output, Electrical resistance, Numerical analysis 07183
Powder metallurgy,
  Cadmium selenide, Solar cells, Spectral analysis, Current voltage, Photodevices 00803
  Ceramics, Lasers, Process development, Economics, Chemical variables control 05783
  Iron alloys, Grinding, Arc welding, Process development 02458
  Modulation, Solenoids, Dissipation, Superconductors 04237
Power,
  Absorption, Resonance, Medical electronics 06989
  Amplifiers, Amplitude, Modulation, Voltage, Radio frequency 08812
  Amplifiers, Field effect transistors, Frequency, Gallium arsenide 08806
  Carbon tetrafluoride, Lasers, Pumping, Oscillators 07409
  Chemical lasers, Signal processing, Modeling 07411
  Converters, Design, Optimization, Capacitors 06600
  Converters, Drives 08203
  Dipole antennae, Impedance, Radiation 08122
  Dissipation, Logic circuits, Field effect transistors 01219
  Dividers, Junctions, Circuitry 08085
  Electromagnetic waves, Measurement, Lasers, Calorimetry 06776
  Fiber optics, Coupling, Modes 07766
  Field effect transistors, Voltage, Frequency, Calibration 01200
  Frequency, Electric fields, Metering, Calibration 06809
  Gallium arsenide, Field effect transistors, Amplifiers, Signal processing 08810
  Gallium arsenide, Field effect transistors, Amplifiers, Frequency 08815
  Gas lasers, Far infrared, Pumping, CD_3OH 00980
  Lasers, Gain, Amplifiers, Numerical analysis 00938
  Linear antennae, Circuitry, Impedance, Algorithms 06486
  Magnetics, Flux, Density, Voltage 06623
  Measurement, Far infrared, Pyroelectricity, Detectors, Calibration 06737
  Measurement, Receivers, Antennae, Emitters, Position control 06488
  Millimeter waves, Generators, Computer aided analysis, Wave propagation 08828
  Rectifiers, Thyristors, Silicon, Doping, Annealing 01121
  Semiconductor lasers, Injection, Lasers, Carrier concentration, Index guides 07386
  Solar cells, Tunnel junctions, Voltage, Numerical analysis 00801
  Spectral analysis, Electron density, Ionosphere 07065
  Superconductors, Transmission lines, Cables, Product development 06678
  Switches, Thyristors, Fiber optics 07717

Power failure,
Data processing centers, Economics, Downtime, UPS 05415
Data processing centers, Electric power distribution, Reliability 01851
Electric power transmission, Fault detection, Monitoring 01785
Utilities, Electric power generation, Reliability, Modeling 08237
Power plants,
Algorithms, Problem solving, Loading, Flow, Transformers 06611
Algorithms, Robustness, Flow, Buses, Decomposition 01862
Algorithms, Thermodynamics, Loading, Problem solving 06610
Automation, Programmable controllers 08240
Boilers, Steam turbines, Control systems 01705
Boilers, Thermal variables control, Microprocessors 08242
Breakdown, Voltage, Motors, Winding 08149
Capacitors, Electric power distribution, Optimization 08276
Cogeneration, Fuels, Coal, Design, Research and development 06646
Combustion, Monitoring, Microcomputers, Boilers, Systems design 05005
Construction, Solar power generation, Economics 01833
Control systems, Microprocessors, Man machine interactions, Computer graphics 03397
Control systems, Reliability, Economics 03313
Control systems, Turbines, Current voltage, Generators, Simulation 05017
Conveyors, Control systems, Microprocessors 08413
Design, Electric power generation 08361
Economics, Electric power distribution, Design, Specifications, Quality control 05549
Economics, Resource management, Performance, Generators 04950
Education, Transmission lines, Pollution control, Environmental protection 05433
Electric power generation, Control systems, Realtime systems 03393
Electric power generation, Generators, Performance 06557
Electric power generation, Reliability, Fault detection 04959
Electric power generation, Technology, Fuel cells 01850
Electric power generation, Turbogenerators, Boilers, Service life 03265
Electric variables measurement, Metrology 08275
Electromagnetics, Interference, Electric fields, Magnetic fields, Measurement 08271
Electronic equipment, Distributed systems, Process control, Systems design 03398
Electrostatic precipitators, Particle size, Vibration, Electric fields 03540
Energy storage components, Petrochemical industry, Electric power generation 05015
Energy storage devices, Loading, Economics, Modeling, Numerical analysis 06572
Estimation, Loading, Matrices, Modeling, Reliability 06612
Fault detection, Conductors, Grounding, Relays 01715
Geothermal energy, Economics, Performance 06699
Hydroelectric power generation, Construction, Resource management, Ecology 05024
Hydroelectric power generation, Energy resources, Energy conservation 00232
Hydroelectric power generation, Ignition, Frequency, Pumps 00138
Industrial plants, Electric power distribution, Reliability 08345
Information systems, Displays, Cathode ray tubes 03318
Machinery, Vibration, Steam turbines, Turbogenerators, Computer aided analysis 06552
Magnetohydrodynamics, Generators, Modeling 08283
Magnetohydrodynamics, Oxygen, Thermal variables measurement, Economics 04967
Maintenance, Reliability, Service life, Generators, Rotors 01700
Optimization, Voltage, Scheduling, Security, Buses 01773
Parameter estimation, Identification, Metering, Data transmission, Detection 05018
Production planning, Classification, Electric power generation 01842
Programmable controllers, Electric power generation, Reliability, Relays, Logic 04960
Propellants, Mixing, Combustion, Flow, Optics 05785
Reliability, Turbogenerators, Automatic control, Online systems 04928
Security, Control systems, Monitoring, Pattern recognition, Dissertation 05010
Signal transmission, Magnetic fields, Communications, Radios, Systems design 06317
Solar energy, Reflectors, Rotation, Velocity 00219
Solar energy, Software development, Simulation, Organization and methods 07277
Structural analysis, Grounding systems, Circuitry, Computer aided analysis 01727
Technology, Electric power transmission, Romania 06577
Thermal variables control, Control systems, Automation, Mathematical models 01768
Thermal variables control, Energy conversion, Electric power generation 01840
Thermodynamics, Thermal discharges, Computer aided analysis 05028
Transformers, Generators, Electromagnetics, Computer aided analysis, Current 06547
Transmission lines, Maintenance, Radio communications, Mobile systems 04533
Power supply,
Analog to digital converters, Circuitry, Signal processing, Design 05806
Breakdown, Resistivity, Voltage, Schottky diodes 01139
Coil winding machines, Signal converters, Pulse generation, Waveforms 00068
Control systems, Switches, Capacitors, Thyristors 02482
Controllers, Analog to digital converters, Pulsewidth modulation 02453
Converters, Thyristors, Motors, Harmonics 06514
Current, Arc furnaces, Conductors, Circuitry 02465
Current, Performance, Solar energy 01837
Current voltage, Inverters, Switches, Capacitors 06622
Data transmission, Modulation, Signal processing, Pulse generation 04747
Design, Batteries 00178
Detectors, Ports, Schottky diodes 05917
Diodes, Thyristors, Rectifiers, Electrochemistry 08311
Electric power distribution, Capacitors, Performance 01760
Electric power distribution, Loading, Reliability, Economics, Customer services 05014
Electric power generation, Simulation, Loading, Flow, Networks 00231
Electric power transmission, Accelerators 00062
Electric power transmission, Networks, Communications, Fiber optics 04554
Electric vehicles, Loading, Production planning 00621
Electrical conductivity, Switching, Converters, Logic circuits 04327
Electronic equipment, Installation, Buildings, Specifications 02288
Fabrication, Amplifiers, Gain 03844
Feedback, Magnetic fields, Modulation 01875
Ferrite toroids, Dividers, Televisions, Frequency 04573
Free electron lasers, Klystrons, Design, Wavelengths 02585
Frequency, Motors, Signal converters, Logic circuits, Thyristors 00072
Fuel cells, Electrodes, Fabrication, Carrier capacity 00189
Induction motors, Stators, Voltage, Control systems, Rectifiers 00073
Infrared, Lasers, Pumping, Switching 00912
Integrated circuits, Noise abatement, Simulation, Voltage, Phase locked loops 02838
Power supply, (continued)
Inverters, Induction motors, Drives, Current voltage, Modulation 081
Inverters, Reliability, Harmonics, Drives, Commutation 001
Logic circuits, Josephson junctions, Packaged components, Integrated circuits 042
Magnetic fields, Rotation, Turbines, Generators, Design 081
Metal oxide semiconductors, Random access memory, Batteries 044
Power systems, Voltage, Reliability, Design 083
Product development, Photodevices, Ballasts, Illumination, Fluorescence 008
Protection, Word processors, Point of sale terminals, Portability 037
Pulse generation, Additives, Gas lasers, Carbon dioxide 009
Pulse generation, Semiconductor lasers, Spectral analysis, Gain 009
Pulse generation, Supersonic flow, Sodium, Lasers, Pumping 009
Pulses, Modulation, Current, Hysteresis loops 017
Rectifiers, Batteries, Current, Smoothing, Synchronous motors 017
Reliability, Power systems, Industry, Planning 083
Reliability, Security, Monitoring, Online systems 018
Resistance, Energy storage components, Batteries, Solar cells 002
Semiconductors, Amplifiers, Radio communications 006
Sensitivity, Switches, Voltage 049
Solar cells, Converters, Control systems, Circuitry, Performance 082
Solar cells, Electrical resistivity, Dissipation 024
Superconductivity, Energy storage components, Current voltage 042
Telecommunications, Semiconductors, Control systems, Book 083
Transistors, Switching, Controllers 043
Transmission lines, Voltage, Input output, Protection, Controllers 0330
Voltage, Beamwidths, Reflector antennae 016
Voltage, Materials testing, Process development, Control systems, Manufacturing 049
Voltage, Safety systems, Electric power generation 049
Power systems,
Balancing, Thyristors, Loading, Control systems 0176
Capacitance, Bridges, Circuitry, Frequency, Shunt reactor loss 0825
Capacitors, Electric variables control, Optimization, Linear programming 0669
Capacitors, Voltage, Networks, Transformers 0752
Carbon, Fibers, Graphitization, Electrical conductivity, Mechanical strength 0657
Cement industry, Cables, Transmission lines 0656
Charge carriers, Connectors, Transmission lines, Telecommunications 0329
Charge carriers, Integrated circuits, Waste heat, Metal oxide semiconductors 0439
Chemical variables measurement, Radio frequency, Modulation, Plasmas 0073
Circuit breakers, Voltage, Fault detection, Standards, Protective circuits 0383
Circuitry, Modeling, Systems analysis, Electromagnetic waves 0176
Commutation, Electrical resistance, Impedance, Bridges, Inductance 0331
Computer aided analysis, Recording systems, Fault detection, Data collection 0010
Control systems, Signals, Tracking 0813
Controllers, Simulation, Software development 0669
Controllers, Stability 0501
Controllers, Transportation, Inverters, Transistors 0330
Cryogenics, Superconductors, Magnets, Performance 0745
Current voltage, Environmental protection, Pulse generation, Bandwidths 0655
Design, Electric power distribution, Computer aided instruction 0826
Electric power generation, Current, Voltage, Harmonics, Capacitors 0825
Electric power generation, Design, Performance, Atmospheric conditions 0827
Electric power generation, Optimization, Plant and factory layout 0007
Electric power generation, State of the art, Economics 0835
Electric power transmission, Networks, Planning, Australia 0177
Electric power transmission, Satellites, Technological forecasting 0184
Energy conservation, Planning 0670
Excitation, Control systems, Design, Stability 0651
Fault tolerance, Identification 0669
Fault tolerance, Short circuits, Simulation 0818
Fault tolerance, Testing, Stability, Turbines, Generators 0822
Field effect transistors, Metal oxide semiconductors, Gain, Voltage 0120
Field effect transistors, Metal oxide semiconductors, Irradiation, Silicon 0274
Flow, Time measurement, Circuit breakers, Computer programs, Dissertation 0489
Flow, Voltage, Mathematical models 0670
Frequency, Resonance, Converters, Electrostatics 0175
Frequency, Transducers, Digital to analog conversion 0432
Harmonics, Semiconductors, Switches, Dissertation 0658
Harmonics, Simulation, Circuit breakers, Transmission lines 0376
Induction motors, Control systems, Frequency 0816
Induction motors, Energy conservation 0168
Inverters, Energy conversion, Electric power generation, Resonance 0337
Inverters, Pulse generation, Bandwidths, Modulation 0488
Inverters, Solar cells, Switching, Harmonics 0177
Loading, Reliability, Electric variables control, Simulation 0661
Machinery, Current voltage, Automatic control, Microprocessors 0331
Magnetic fields, Transmission lines, Current, Harmonics, Measurement 0909
Magnets, Mirror machines, Fusion, Computer aided control 0827
Metering, Current, Standards 01764
Microwaves, Circuitry, Junction diodes 0004
Microwaves, Metering, Sensors, Product design 01644
Modeling, Control, Reliability 03404
Modeling, Electric variables control 04958
Modeling, Forecasting, Loading 05023
Modeling, Planning, Loading, Control 08344
Monitoring, Frequency 03406
Networks, Computer aided control, BECONTROL 30 S 08350
Networks, Damping, Modulation, Simulation 06617
Networks, Electric power transmission, Hydrothermal units 08260
Optimization, Capacitors, Voltage, Transformers, Induction motors 08357
Oscillation, Damping, Thyristors, Control systems, VAr compensators 08217
Performance, Electric power generation 08363
Photovoltaics, Electric power generation, Voltage, Atmospheric conditions 01812
Photovoltaics, Interfaces, Transformers, Thyristors 05656
Planning, Automatic control 06704
Plasmas, Mirror machines, Fusion, Energy conversion 06638
Position control, Design, Couplers, Phase shifts, Channels 08125

er systems, (continued)
ower supply, Voltage, Reliability, Design ... 08369
otection, Microprocessors, Control theory, Gears, Relays ... 07495
ectifiers, Capacitors, Current voltage, Waveforms ... 04938
elays, Wave propagation, Design, Performance ... 08268
eliability, Electric power generation, Stability, Systems analysis ... 01750
eliability, Frequency, Approximations, Probability ... 00154
eliability, Least squares estimation ... 08244
eliability, Power supply, Industry, Planning ... 08367
eliability, Systems analysis ... 08243
eliability, Testing, Convergence ... 08253
cheduling, Electric variables control, Linear programming ... 08239
cheduling, Multiprocessors, Task scheduling ... 04947
cheduling, Optimization, Dynamic programming, Seasonal reservoir scheduling ... 05013
ecurity, Automatic control, Linear programming ... 06703
ecurity, Electric power generation, Voltage, Downtime ... 01869
imulation, Electric power transmission, Damping, Fault tolerance ... 06594
imulation, Loading, Stability ... 06604
olar cells, Electrical resistivity, Networks, Loading ... 03934
olar collectors, Performance, Optimization, Cost benefit analysis ... 08336
pace stations, Military engineering, Research and development ... 02099
pace technology, Gallium arsenide, Solar cells, Nondestructive testing ... 07279
pace technology, Propulsion ... 08614
tability, Computer aided analysis, Interconnected systems ... 06608
tability, Current, Performance ... 08246
tability, Electric power transmission, Compensators ... 01744
tability, Energy, Dissertation ... 08257
tability, Frequency, Damping ... 01738
tability, Frequency, Networks, Optimization ... 08264
tability, Linear programming ... 06618
tability, Reliability ... 08362
tability, Simulation ... 06605
tability, Synchronous machines, Damping, Control systems ... 00077
tability, Transmission, Mathematical models ... 08196
tate estimators, Debugging, Modeling ... 04948
uperconductivity, Storage, Oscillators, Magnetics ... 09064
witching, Airports, Circuit breakers, Buses, Transmission lines ... 03637
elephones, Circuitry, Signal processing, Optimization ... 08359
hyristors, Harmonics, Electrolysis, Mining ... 01784
hyristors, Stability, Mathematical models, Transportation ... 08189
hyristors, Switching, Harmonics, Generators ... 08174
ansformers, Monitoring ... 09167
ransformers, Transmission lines, Detectors, Current ... 08216
ransistors, Switching, Snubbers, Bridges ... 02452
ransmission lines, Cables, Cost benefit analysis ... 01740
ransmission lines, Fault detection, Circuit breakers, Mining ... 03833
ransmission lines, Impedance, Pulse generation, Switching ... 09104
ransmission lines, Numerical analysis, Switching, Networks ... 00155
ransmission lines, Relays, Protection, Optimization ... 08207
elocity, Simulation, Control theory, Induction motors ... 04867
oltage, Electric variables control, Linear programming ... 08183
oltage, Modeling ... 08255
oltage, Optimization, Linear programming ... 08236
oltage, Resonance, Harmonics ... 06620
oltage, Switching ... 04937
oltage, Transformers, Cables ... 08194
oltage, Transistors, Inverters, Transportation ... 03300
Vaveforms, Distortion, Monitoring, Standards ... 01779
eamplifiers,
eak detection, Noise, Measurement errors, Calibration, Multipliers ... 00691
yroelectricity, Sensors, Capacitance, Metal oxide semiconductors ... 02634
ecision engineering,
nalog to digital converters, Superconductivity, Signal converters ... 04092
utomation, Resistors, Lasers, Cutting ... 00726
alibration, Measurement Instrumentation, Frequency measurement, NBS ... 06781
ameras, Assembling, Production control, Automation ... 00762
ircuitry, Filters ... 02383
omputer aided design, Metal oxide semiconductors, Modeling ... 05946
esign, Circuitry, Filters ... 02382
lectric power apparatus, Current voltage, Calibration, Error ... 08220
abrication, Optics, Machining, State of the art ... 03991
lowmeters, Electromagnetics, Calibration ... 08498
orological instruments, Reliability, Nondestructive testing, Leak detection ... 08577
nstrumentation, Calibration, Automation ... 05032
nstrumentation, Calibration, Nondestructive testing ... 03521
nstrumentation, Oceanography, Remote sensing, Thermal variables measurement ... 03706
nstrumentation, Portability, Spectrum analyzers ... 03485
nstrumentation, Spatial variables measurement ... 06865
nstrumentation, Thermal variables measurement, Dilatometers ... 00251
nterfaces, Standards, Microelectronics ... 05031
achine tools, Milling, Numerical control ... 03567
achining, Lathes, Turning, Automatic control ... 00449
easurement, Optics, Machinery ... 05058
etrology, Gauges, Calibration ... 08499
etrology, Reliability, Electric variables measurement ... 08844
etrology, Transducers, Nondestructive testing ... 09154
odeling, Instrumentation, Thermal variables measurement ... 03418
ptics, Fabrication, Machining ... 03978
robes, Remote sensing, Marine technology ... 08680
roduction planning, Business forecasting, Lasers ... 00999
eflector antennae, Radar, Calibration ... 04724
emote sensing, Color, Satellites ... 03695
obots, Computer aided control, Measurement, Testing ... 06913
obots, Work holders, Sensors, Tubes, Force ... 00423
ensors, Moisture measurement, Measurement errors ... 06872
uperconductivity, Magnets, Solenoids, Charge carriers, Computer aided analysis ... 04174

Precision engineering, (continued)
  Technology, Relays, Switches ... 09129
  Time measurement, Oscillators, Quartz ... 05527
  Transistors, Thermal variables measurement, Acoustic variables measurement ... 05521
Pressure,
  Acoustics, Combustion, Stability, Oscillation, Dissertation ... 03515
  Acoustics, Gases, Bubbles, Liquids, Numerical analysis ... 03516
  Acoustics, Measurement, Structural analysis, Radiation, Dissertation ... 06851
  Acoustics, Scattering, Impedance, Dissertation, Cylinders ... 08480
  Audio systems, Frequency, Wave propagation, Ultrasonics ... 09475
  Automatic control, Gauges, Hydraulic control equipment, Rolling mills ... 01080
  Breakdown, Voltage, Switching, Sulfur hexafluoride ... 08266
  Calibration, Hydrophones, Pendulums, Acoustics, Frequency ... 05849
  Calibration, Time measurement, Transducers, Flowmeters ... 02669
  Calorimeters, Thermal variables measurement, Computer aided analysis ... 03416
  Carbon dioxide, Gas lasers, Excitation, Discharges, Gain ... 07396
  Circuitry, Transducers, Measurement, Frequency, Loading ... 07502
  Copper, Lasers, Optimization, Excitation, Frequency ... 07405
  Electric fields, Pn junctions, Bipolar transistors, Carrier density ... 01070
  Electric variables control, Thermal insulation, Cables, Spacecraft ... 06564
  Electrodes, Discharges, Gases, Electrostatics, Stability ... 09076
  Energy storage components, Petrochemical industry, Power plants ... 05015
  Fluid mechanics, Incompressible fluids, Laminar flow ... 08282
  Friction, Electrodes, Electrolytes, Band gaps ... 01798
  Gas lasers, Design, Tuning, Waveguides ... 09011
  Gas lasers, Waveguides, Tuning, Frequency, Design ... 09028
  Gauges, Piezoelectricity, Economics, Design ... 04299
  Gauges, Transducers, Stability, Vibration, Magnetic variables measurement ... 08391
  Integrated circuits, Bipolar transistors, Sensors, Piezoresistivity ... 02628
  Iron, Diffusion, Gallium arsenide, Crystal defects ... 08505
  Lasers, Fiber optics, Sensors, Thermal variables measurement ... 06136
  Magnetic fields, Plasmas, Electrons, Absorption, Computer aided analysis ... 06632
  Manometers, Electrostatics, Transformers, Transducers, Amplifiers ... 06873
  Materials testing, Cryogenics, Transmission lines, Heat transfer ... 00113
  Measurement, Zinc oxide, Silicon, Excitation ... 08386
  Neurology, Wave propagation, Acoustics, Microwaves ... 00525
  Organic compounds, Superconductivity, Temperature ... 01012
  Photovoltaic effect, Ionization, Electric fields ... 05810
  Piezoelectricity, Flowmeters, Transducers ... 01069
  Piezometers, Capacitance, Transducers, Volume measurement, Liquids ... 07514
  Polypropylene, Thin films, Metal insulator metals, Transistors ... 09209
  Potentials, Spark gaps, Breakdown, Ionization, Discharges ... 05568
  Pulse generation, Electromagnetic fields, Valves, Electron beams ... 00268
  Recording systems, Piezoelectricity, Transducers, Lithium iodate, Video systems ... 09141
  Sensors, Amplifiers, Metal oxide semiconductors, Dissertation ... 02671
  Sensors, Metal oxide semiconductors ... 09215
  Sensors, Piezoresistivity, Biomedical engineering ... 08627
  Sensors, Polysilicon, Resistors, Lasers, Crystallization ... 08850
  Sensors, Product development, Composite materials ... 01887
  Sensors, Quartz, Resonators, Frequency, Vibration ... 08425
  Sensors, Silicon, Performance, Voltage, Current ... 08384
  Sensors, Transducers, Silicon, Integrated circuits ... 09130
  Shock waves, Supersonic flow, Magnetohydrodynamics ... 01790
  Solar energy, Radiation, Reflection, Satellites, Orbital motion ... 08708
  Solids, Infrared, Spectral analysis, Thermal conductivity, Refractive indices ... 05050
  Switching, Voltage, Current, Disconnectors ... 06581
  Thermistors, Current voltage, Electrical resistance ... 07572
  Transducers, Fiber optics, Mechanical strength, Stability ... 09132
  Transducers, Field effect transistors, Noise, Modeling, Scaling ... 07505
  Transducers, Temperature, Silicon, Thin films, Doping ... 04332
  Voltage, Arcs, Current, Sulfur hexafluoride ... 08199
  Voltage, Breakdown, Discharges, Rod-plane gaps ... 04935
  Voltage, Electric fields, Sodium, Lamps ... 08902
Pressure measurement,
  Control systems, Sensors, Automotive industry ... 04338
  Dielectrics, Sensors, Impact testing ... 01081
  Electric power apparatus, Compressibility, Insulators ... 00256
  Flow of gases, Transducers ... 09150
  Infrared, Sensors, Thermal variables control ... 03451
  Instrumentation, Stability ... 01884
  Integrated circuits, Piezoresistivity, Silicon, Sensors, Automotive engineering ... 02627
  Piezoelectricity, Transducers, Polymers ... 01072
  Probes, Velocity, Heat transfer, Anemometers, Turbulent flow, Dissertation ... 00357
  Resonance, Pulse generation, Pipelines, Acoustics, Damping ... 01982
  Silicon, Sensors ... 03426
  Transducers, Time measurement, Rocket engines, Missiles ... 00474
Pressure vessels,
  Dosimetry, Neutrons, Cross sectional measurement ... 00747
  Notch testing, Acoustic emissions, Crack propagation ... 03508
  Nuclear reactors, Dosimetry, Neutrons ... 00750
  Nuclear reactors, Sensors, Probes, Corrosion, Boilers ... 03288
  Steel, Data bases, Metallurgy ... 00742
Printed circuit boards,
  Connectors, Packaged components, Integrated circuits, Failure ... 02869
  Connectors, Plating, Wear, Vibration ... 07233
  Contacts, Organic compounds, Film growth, Testing ... 05560
  Dielectrics, Corrosion resistance, Thermal variables control, Thin films ... 04361
  Fabrication, Routing, Wiring ... 02808
  Fabrication, Soldering, Joints, Fatigue ... 07672
  Foils, Integrated circuits, Crack propagation, Electrodeposition, Copper ... 02427
  Inspection, Automatic testing, Fault detection ... 09300
  Inspection, Vision, Pattern recognition ... 04501
  Integrated circuits, Ceramics, Soldering, Thermal variables measurement ... 06085
  Integrated circuits, Composite materials, Adhesives, Thermal variables control ... 02866
  Integrated circuits, Packaged components, Coatings, Soldering ... 02786
  Integrated circuits, Reliability, Failure, Fault detection ... 02855

Printed circuit boards, (continued)
Integrated circuits, Reliability, Thermal variables measurement 02807
Integrated circuits, Soldering, Interfaces, Capacitors, Barium titanate 02480
Microelectronics, Fabrication, Routing, Wiring 01243
Microelectronics, Testing, Fault detection, Built-in testing 07654
Microelectronics, Writing, Stepping motors 01694
Packaged components, Integrated circuits, Materials planning and control 04509
Packaged components, Integrated circuits, Reliability, Soldering 06080
Packaged components, Integrated circuits, Soldering, Fatigue, Service life 02789
Packaged components, Integrated circuits, Systems design 02790
Routing, Computer aided design, Computer graphics 07626
Soldering, Integrated circuits, Connectors, Failure 02792

Printers,
Buying and selling, Technology, State of the art 00591
Color, Computer graphics, State of the art, Matrix printers 02290
Color, Ink, Spectral analysis, Quality control, Thermal variables control 08946
Computer graphics, Economics 05387
Data collection, Clinical medicine, Forms management, Design, Lasers 02126
Electronic equipment, Data processing, Output, Quality control, Productivity 02285
Health care, Information systems, Data processing, Electronic equipment 05303
Image processing, Lasers, Documentation, Office automation 09045
Input devices, Output devices, Recording systems, Signal processing 00599
Large scale printers, Commerce, Forecasting 03732
Lasers, Optics, Computer graphics, Scanning, Image processing 09039
Lasers, Software development 08722
Lasers, Technology, Electronic mail, Performance, Economics 07425
Microcomputers, Typesetting, Software development, Quality control 02327
Micrographics, Cameras, Business statistics 01378
Personal computers, Technological forecasting, Office automation 03733
Photoreceptors, Light emitting diodes, Scanning 05696
Production control, Automation, Distributed processing, Hewlett Packard 3000/40 05400
Protocols, Converters, Terminals, Switching, Communication networks 08716
Technology, Economics, Selection, Office automation 08719
Telephones, Automation, Terminals, Economics 03056
Thin films, Tantalum, Silicon carbide, Resistors, Thermal variables measurement 03893
Typography, Office automation, Management, Information processing, Output 07088

Printing,
Image processing, Pattern recognition, Thermal variables control, Matrices 02541
Lasers, Image processing, Data transmission, Computer aided control 02611
Optics, Illumination, Image processing, Integrated circuits, Masks 02839
Silicon, Solar cells, Films, Metallization, Process development 07271

Printing industry,
Computer graphics, Image processing 08653
Computer graphics, Office automation, Broadcasting, Raster displays 07289

Prisms,
Filters, Color, Televisions, Displays 04575

Privacy,
Data communications, Local area networks, Security, Economics 03021
Data processing, Telecommunications, Sociology, Problem solving, Management 02881
Data transmission, Encryption, Williams public-key encryption 04796
Electronic mail, Transmission, Cryptography 03030
Information processing, Flow, Telecommunications, Protection, Economics 03026
Information systems, Office automation, Diary facility 05407
Videotex, Standards, Access, Information retrieval, Research and development 01374

Private automatic branch exchange,
Business, Telecommunications, Pentaphone II 04665
Circuitry, Modulation, Coding, Decoding, Codec 06389
Communication networks, Switching, Transmission, Modularity 04658
Office automation, Communications, State of the art 06263
Transmission, State of the art, Technological forecasting 09465
Word processing, Teletex, Electronic mail, ITT5300 04629

Private branch exchange,
Architecture, Switching, Communication networks, Plug compatibility 09456
Communication networks, Office automation, Peripheral devices, Economics 07083
Data transmission, Fiber optics, Local area networks 02931
Data transmission, Speech transmission, Economics 01470
Electronic equipment, Telephones, Automation, Economics, Marketing 01467
Electronic mail, Speech recognition, Plug compatibility, Switching, Telephones 04612
Local area networks, Compatibility, Technology 04522
Local area networks, Integrated systems, Research and development, Italy 01442
Local area networks, Technology, Broadband vs. baseband 09460
Local area networks, Telecommunications, Planning, Economics, Technology 03045
Office automation, Local area networks, Speech recognition 07095
Office automation, Speech transmission, State of the art 09457
Productivity, Office automation, Electronic mail, Telecommunications 04655
Speech transmission, Data transmission, State of the art 07085
Speech transmission, Data transmission, Switching, Electronic equipment 01445
Switching, Architecture, Transmission, Speech recognition 07084
Telecommunications, Signal processing, Switching, Manufacturing, Standards 08714
Telephones, Automation, Economics, Banking, Finance 03047
Telephones, Retrofitting, Systems design 01475
Telephones, Speech transmission, Automation, Technological forecasting 01468
Telephones, Switching, Data transmission, PBX 09461

Probability,
Distributions, Buses, Communication networks, Random variables, Data processing 00238
Electric power generation, Planning, Loading, Reserves, Operations research 00235
Electric power generation, Reliability, Computation, Frequency, Functions 00156
Error, Communication networks, Signal processing, Performance, Noise 07820
Gyroscopes, Accelerometers, Reliability, Failure, Fault tolerance 00450
Mathematical models, Radios, Mobile systems, Channels, Interference 01305
Optimization, Fault detection, Circuitry, Input 01254
Radios, Signal processing, Wave propagation, Frequency, Modulation 01302
Signal transmission, Feedback, Channels, Error, Boundary value problems 01567
Solar energy, Arrays, Storage, Reliability, Design 00222
Speech transmission, Packet switching, Circuitry, Channels, Delay 07844

Probes,
Argon, Plasmas, Impedance, Magnetohydrodynamics 066
Biomedical engineering, Thermal variables measurement, Esophageal temperature 086
Carbon, Silicon, Plasmas, Tokamaks 066
Design, Gamma radiation, Nuclear reactors, Power density 066
Eddy current, Magnetic fields, Impedance, Nondestructive testing 067
Electric fields, Atmospheric conditions, Backscattering, Radar 015
Electric fields, Dipoles, Antennae, Transmission lines 084
Electromagnetic fields, Interference, Impulse generators, Voltage 017
Electromagnetic waves, Plasmas, Current voltage, Electrodes 000
Fabrication, Optics, Image processing, Quadrupole systems 039
Fiber optics, Microcomputers, Data collection, Flow of liquids 035
Lasers, Carbon dioxide, Flow of gases, Measurement, Thermodynamics 057
Magnetic variables measurement, Flowmeters, Pipes, Economics 034
Microcomputers, Cathode ray tubes, Sensors, Reliability, Light pens 039
Microelectronics, Integrated circuits, Thermal variables measurement 027
Motors, Magnetic variables measurement, Surface properties, Testing 065
Optics, Surface properties, Pattern recognition 008
Pressure measurement, Velocity, Heat transfer, Anemometers, Turbulent flow 003
Sensors, Nuclear reactors, Pressure vessels, Corrosion, Boilers 032
Thermal conductivity, Measurement, Transducers 058
Thermal variables measurement, Sensors, Reliability 083
Thickness measurement, Forging, Pulse generation 024
Velocity measurement, Flux, Reliability, Economics, Flow 035
Volume measurement, Lasers, Anemometers, Thermistors, Instrumentation 040

Process control,
Accounting, Energy conservation, Electric power generation 018
Artificial intelligence, Robots, Microcomputers, Software development 035
Automation, Economics, State of the art 085
Automation, Rolling mills, Mechanical handling 012
Batch process control, Computer aided manufacturing, Programming, Automation 069
Cement industry, Electric power distribution, Electronic equipment, Drives 033
Computer aided manufacturing, Reliability, Electronic equipment 020
Control systems, Compressors 004
Control systems, Distributed systems, Manufacturing, Systems design 035
Electric power generation, Distributed systems, Loading, Quality control 033
Electrochemistry, Desalination, Electrodialysis 023
Electronic equipment, Distributed systems, Power plants, Systems design 033
Feedback, Position control, Drives, Machine tools 016
Fiber optics, Communication networks, Integrated systems, Interfaces, Sensors 045
Generators, Reliability, Maintenance 065
Hydrocarbon processing, Oil refining, Equipment, Recycling, Instrumentation 036
Industrial processes, Automation, Microprocessors 069
Industrial processes, Programmable controllers, Sugar refineries 069
Lasers, Thermodynamics, Materials testing, Metals, Eddy currents 050
Mail handling, Mechanical handling, Information retrieval 023
Man machine interactions, Information retrieval, Management science 028
Microprocessors, Control systems, Technological forecasting, Costs 003
Modeling, Metal oxide semiconductors, Bipolar devices, Computer aided design 045
Modular design, Production control, Machining centers, Input output 004
Networks, Data transmission, Wire, Fiber optics 013
Offshore structures, Dredgers, Position control 005
Polymers, Mass spectrometers, Solvents, Resins, Chemical variables measurement 003
Quality control, Reliability, Instrumentation, Hydrocarbon processing 020
Semiconductors, Simulation, Microelectronics, Fabrication 075
Signal processing, Electric power generation, Safety, Telemetry, Economics 046
Thermometers, Stability, Optics, Transducers, Maintenance 050

Process development,
Aircraft, Electronic equipment, Packaging, Failure, Materials testing 060
Arc welding, Grinding, Iron alloys, Powder metallurgy 024
Batteries, Materials recovery, Lead, Wastes, Energy storage components 033
Bipolar devices, Integrated circuits, Manufacturing, Electric variables control 060
Circuitry, Wire processing, Assembling, Technological forecasting 060
Containers, Electromagnetic fields, Space technology 024
Electrochemistry, Electrodialysis 023
Electrodialysis, Hydrodynamics, Mass transfer, Desalination 023
Fault tolerance, Metal oxide semiconductors, Lithographic masks 008
Field effect transistors, Polymers, Encapsulation, Automation 075
Heat treatment, Welding, Lasers 010
Industrial waste disposal, Recycling, Polymers, Cables 017
Josephson junctions, Integrated circuits, Materials testing 041
Lasers, Electrical discharge machining, Metallurgy 010
Lasers, Quality control, Materials testing, Inspection, Industry 057
Oceanography, Computed tomography, Acoustics 022
Optical devices, Diamond tools, Turning 025
Powder metallurgy, Ceramics, Lasers, Economics, Chemical variables control 057
Power supply, Voltage, Materials testing, Control systems, Manufacturing 049
Robots, Computer aided design, Simulation, Planning, Sheet metalworking 069
Silicon, Solar cells, Films, Metallization, Printing 072
Spectral analysis, Materials testing, Auger electron spectroscopy 025
Welding, Cutting tools, Machining centers, Flexible manufacturing systems 025
Wire processing, Stress, Thermal variables measurement, Moisture control 060

Processors,
Arrays, Architecture, Fault tolerance, Redundancy, Microelectronics 0601
Arrays, Architecture, Radar, Parallel processing 062
Arrays, Architecture, Speech recognition 003
Buffers, Optoelectronics, Storage, Memory, Algorithms 0081
Capacitance, Simulation, Algorithms, Topology, Integrated circuits 0281
Channels, Signal transmission, Equalization, Interference, Receivers 079
Circuitry, Transistors, Metal oxide semiconductors, Random access memory 092
Communication networks, Memory, Buses, Modules, Standards 053
Electric power generation, Utilities, Control systems, Security, Interfaces 0185
Fault tolerance, Image processing, Architecture 008
Filters, Amplitude, Integrals, Design, Dissertation 054
Image processing, Optical communications, Color, Coding, Interactive systems 073
Integrated circuits, Memory, Structural analysis, Logic, Topology 0446

ssors, (continued)
grated circuits, Signal processing, Microelectronics, Technology 04761
guistics, Speech recognition, Error correcting codes, Parsing, Algorithms 06272
al area networks, Plug compatibility, Software development 08713
ic, Integrated circuits, Operators, Networks, Research and development 05992
board processing, Military equipment, Satellite communications 05259
tical communications, Filtering, Matching, Performance 07324
tics, Partial differential equations, Feedback, Image processing 00894
tics, Signal processing, Pattern recognition, Transformations 07693
elining, Microelectronics, Arithmetic circuits, Fabrication 03829
nulation, Communication networks, Interactive systems, Minicomputers, Modems 07825
bility, Frequency, Terminals, Filtering, Instrumentation 03736
uct design,
nsors, Metering, Power systems, Microwaves 01644
uct development,
rodynamics, Motor vehicles, Transportation, Dissertation 02330
mmunications, Fiber optics, Modulation 01356
trumentation, Spectral analysis, Portability, Tektronix, Inc. 490 Series 03484
trumentation, Thermal variables measurement 01881
ulators, Transmission lines, Cables, Polymers 01724
ernal combustion engines, Classification, Performance, Stirling engines 01706
agnets, Solenoids, Superconductivity, Cryogenics 04123
crophones, Wires, Acoustics 03070
ndestructive testing, Sensors, Fiber optics 01318
otodevices, Ballasts, Illumination, Fluorescence, Power supply 00826
essure, Sensors, Composite materials 01887
ailway engineering, Radios, Communications 02903
esearch and development, Automotive engineering, Microcomputers 02336
emiconductors, Polymers, Sensors, Moisture measurement, Dissertation 01077
ensors, Thermal variables measurement, Nondestructive testing, Thermocouples 02631
licon, Metal oxide semiconductors, Integrated circuits 02820
olar energy, Aircraft 00460
acecraft, Aerospace engineering, Communications 00480
uperconductivity, Electric power generation, Fuel efficiency 04249
uperconductivity, Magnets, Linear accelerators 04154
uperconductors, Integrated circuits, Switching, Amplifiers, Transistors 02617
witches, Vacuum technology, Circuit breakers 00699
echnological forecasting, Control systems, Robots 03582
echnological forecasting, Displays, Video systems 07254
echnological forecasting, Integrated circuits, Business statistics 04506
echnological forecasting, Lasers, Weapons 00997
echnological forecasting, Systems analysis, Electric vehicles 02344
elecommunications, Reliability, Fiber optics, Submarines 01369
hermal conductivity, Energy storage components, Solar collectors 00217
ransmission lines, Cables, Superconductors, Power 06678
duction,
ircraft, Guidance and control systems, Testing 08589
ement industry, Electronic equipment, Customer services, Egypt 03396
ber optics, Machining, Communications 09421
olography, Quality control, Technology, Cameras, Research and development 04034
asers, Carbon dioxide, Reliability, Technology 05769
asers, Marketing, Manufacturing, Economics, Germany 05733
achining, Computer numerical control, Sheet metalworking 08728
anipulators, Robots, Quality control, Control systems, Dissertation 06910
echanical handling, Machine tools, Retrofitting, Robots, Technology 05182
uality control, Assembling, Robots, Optics, Inspection 06942
obots, Computer aided manufacturing, Machinery, Automation 03617
atellite communications, Aerospace engineering, Economics, Data transmission 05260
duction control,
ircraft engineering, Military engineering, Flight testing 05275
rtificial intelligence, Automotive engineering, Assembling, Robots, Saab 03602
rtificial intelligence, Computer aided manufacturing, Robots, United Kingdom 02060
ssembling, Artificial intelligence, Robots 00415
ssembling, Automation, Robots 00400
ssembling, Automation, Tape recorders, Flexible manufacturing systems 00387
ssembling, Cameras, Precision engineering, Automation 00762
ssembling, Electronic equipment, Circuit boards 01275
ssembling, Inspection, Vision, Printed circuit boards 00412
ssembling, Mechanical handling, Robots 03590
ssembling, Mechanical handling, Robots, Hitachi 03589
ssembling, Programmable controllers 03593
utomation, Assembling, Motors, Components 03615
utomation, Distributed processing, Hewlett Packard 3000/40 05400
utomotive engineering, Artificial intelligence, Robots, Alfa Romeo 03613
utomotive engineering, Assembling, Artificial intelligence, Robots, Jaguar 03601
utomotive engineering, Assembling, Mechanical handling, Robots, Jaguar 08520
utomotive engineering, Assembling, Robots, Saab 05206
omputer aided manufacturing, Valves, Robots, Systems design, Economics 05184
conomics, Assembling, Mechanical handling, Robots 03594
lectric power generation, Management, Wind energy, Turbines 08351
exible manufacturing systems, Systems analysis 02326
ears, Wheels, Computer aided manufacturing 00395
nage processing, Quality control, Punching 00411
dustrial processes, Control systems, Radios 09308
spection, Pattern recognition, Robots, Vision 05219
apan, Industrial plants, Robots 08522
achine tools, Numerical control, Milling 03567
echanical handling, Hazardous materials handling, Testing 08540
icroprocessors, Computer aided control, Automation, Filters, Frequency 02360
odular design, Process control, Machining centers, Input output, Controllers 00447
attern recognition, Inspection, Assembling 08943
recision engineering, Instrumentation, Calibration, Nondestructive testing 03521
eliability, Nondestructive testing, Optics, Inspection, Photoelectric scanners 05690
obots, Welding, Injection molding, Painting 08532
atistical analysis, Fabrication, Thermistors 02622
echnology, Flexible manufacturing systems 06939

Production planning,
Business forecasting, Lasers, Precision engineering 00999
Classification, Electric power generation, Power plants 01842
Computer aided analysis, Software, Production planning 01845
Electric power generation, Computer aided analysis, Software 01845
Electric power generation, Systems design, Fuel technology 00128
Loading, Electric vehicles, Power supply 00621
Microwaves, Image processing, Waveguides, Striplines 02639
Mirrors, Solar collectors, Electric power generation 01825
Operations, Optimization, Electric power generation 03390
Plant and factory layout, Technological forecasting, Automation 02059
Submarines, Military engineering, Electric power apparatus, Shipbuilding 02120
Productivity,
Computer aided manufacturing, Robots, Economics, Dissertation 08528
Computer graphics, Systems design, Office automation, Slide-making systems 00604
Computer programs, Software development, Reliability, Military 02117
Cost benefit analysis, Data communications, Communication networks 02310
Economics, Labor relations, Business statistics, Semiconductors, Dissertation 01107
Electric power generation, Economics, Manufacturing, Steam turbines 05021
Electronic mail, Insurance industry, Personnel, Training 03881
Electronic mail, Sorting, Performance, Management, Economics 05556
Hybrid devices, Integrated circuits 06048
Image processing, Cameras, Electronic equipment, Mapping, Automation 02546
Office automation, Communications, Teleconferencing, Cost benefit analysis 03034
Office automation, Electronic mail, Private branch exchange, Telecommunications 04655
Office automation, Electronic mail, Telecommunications 06230
Office automation, Word processing, Electronic mail 03759
Robots, Manufacturing, Automation, Economics, Taiwan 02030
Robots, Quality control, Safety, Occupational health, Economics 02023
Video systems, Teleconferencing, Research and development 07803
Welding, Robots, Artificial intelligence, Mechanical handling 03598
Profit maximization,
Telecommunications, Data transmission 09447
Telecommunications, Fiber optics, Architecture 07741
Programmable calculators,
Computer aided analysis, Fiber optics, Dispersion 07698
Computer programs, Filters, Amplifiers, Biomedical engineering, Testing 00640
Data processing, Nuclear physics, Software development 03566
Electrostatics, Pollution control, Electronic equipment, Data collection 02463
Interactive systems, Computer graphics, Minicomputers, Economics 02299
Navigation, Personal computers, Economics, Reliability, Safety 03092
Programmable controllers,
Artificial intelligence, Mechanical handling, Assembling, Robots 06922
Artificial intelligence, Sensors, Robots 08558
Assembling, Production control 03593
Automatic control, Microcomputers 02014
Automotive engineering, Assembling, Computer aided manufacturing, GM 06937
Channels, Logic, Multiplexers, ES computer 06896
Computer aided control, Furnaces 02061
Computer aided manufacturing, Technology, State of the art 06938
Failure, Redundancy, Economics 05218
Frequency control, Radar, Microprocessors 09505
Industrial plants, Control systems, Precision engineering, State of the art 03408
Industrial processes, Process control, Sugar refineries 06926
Industry, Automation, Local area networks 08548
Machining, Robots 08567
Mechanical handling equipment, Wharf cranes 03584
Mechanical handling, Position control 08544
Online systems, Peripheral devices, ES computer 06895
Power plants, Automation 08240
Power plants, Electric power generation, Reliability, Relays, Logic 04960
Process industries, Control systems, Documentation 03585
Research and development, Robots, Mechanical handling 06927
Signal processing, Hybrid systems, Technology, Research and development 03607
Technology, Research and development 03605
Programming,
Amplifiers, Attenuation, Buffers, Circuitry, Error 02429
Circuitry, Read only memory, Transistors, Random access memory, Microprocessors 04455
Coil winding machines, Automation, Electronic equipment 01674
Communication networks, Packet switching, Microprocessors, Logic, Arrays 04654
Computer aided manufacturing, Batch process control, Automation, Technology 06901
Controllers, Distributed systems, Batch automation 06933
Filters, Metal oxide semiconductors, Oscillators, Input, Control systems 05528
Filters, Structural analysis, Circuitry, Flow, Data processing 02359
Hotel industry, Energy consumption, Electric power transmission 03399
Image processing, Microprocessors, Computer aided manufacturing 06125
Image processing, Systems analysis, Software development 05700
Instrumentation, Analog to digital conversion, Architecture 04597
Integrated circuits, Signal processing, Structural analysis, Image processing 04449
Large scale integration, Redundancy, Read only memory, Circuitry 04475
Logic circuits, Arrays, Delay, Testing 03740
Logic circuits, Arrays, Silicon, Optimization, Computer programs 04466
Mapping, Photogrammetry, Computer aided analysis, Computer graphics 02254
Metal oxide semiconductors, Read only memory, Arrays, Redundancy, Coding 04477
Metal oxide semiconductors, Read only memory, Bipolar devices, Voltage 04412
Metal oxide semiconductors, Read only memory, Signal processing, Reliability 04413
Multiprocessing, Interactive systems, Man machine interactions, Controllers 02057
Optics, Microcomputers, Personal computers, Technology, Economics 03987
Oscilloscopes, Bar codes, Measurement, Error, Image processing 02146
Random access memory, Read only memory, Arrays, Metal oxide semiconductors 04453
Read only memory, Circuitry, Energy consumption, Strobing, Access 03741
Read only memory, Metal oxide semiconductors, Voltage, Circuitry, Arrays 04510
Robots, Mechanical handling, Welding, Research and development, Japan 02025
Signal processing, Realtime systems, Architecture, Integrated circuits 07892
Simulation languages, Routines, Buffers, Scheduling, Speech transmission 07822
Simulation, Signal processing, Microcomputers, Control systems, Measurement 01735

Programming, (continued)
- Sound synthesis, Integrated circuits, Microcomputers, Interfaces 02803

Programming languages,
- Artificial intelligence, Robots, Control systems, Decision schema 06929
- Communication networks, Switching, Capacitors, Topology, Matrices 08792
- Communications, Syntax, CHILL 04630
- Computer aided design, Very large scale integration, Structural analysis 06020
- Controllers, Sensors, Automation, Machining centers, Robots 00428
- Education, Robots, Radios, Design, Research and development 06912
- Electromagnetics, Frequency, Resonance, Difference equations 06457
- Hierarchies, Control systems, Computer programs, Computer aided manufacturing 05171
- Integrated circuits, Arrays, Storage, Logic circuits, Dissertation 01262
- Operating systems, Software development, Performance 00608
- Personal computers, Software packages, Plug compatibility 02286
- Robots, Artificial intelligence, Computer aided control, Mechanical handling 00432
- Robots, Computer aided control, Research and development, Mechanical handling 03599
- Robots, Storage, Data structure, Graphs, Information retrieval 08571
- Satellite communications, Microprocessors, Memory, Testing, Control systems 01400
- Satellite communications, Simulation, Software packages, Structural analysis 07801
- Silicon, Metal oxide semiconductors, Junctions, Annealing, Modeling 09206
- Simulation, Networks 05496
- Simulation, Robots, Computer graphics, Personal computers, Time measurement 05177
- Simulation, Semiconductors 05893
- Systems design, Logic circuits, Electric vehicles, State machines 02055
- Transmission lines, Dynamics, Loading, Structural analysis, Modeling 09087
- Transmission lines, Modeling, Impedance, Attenuation 07468
- Vision, Data structure, Algebra, Identification, Dissertation 05723

Project engineering,
- Electric power distribution, Computer aided control, Research and development 03383
- Generators, Service life, Hydroelectric power generation, Modernization 00084
- Japan, Mechanical handling, Artificial intelligence, Robots 05173
- Monitoring, Gauges, Dredgers 00552
- Oceanography, Wave propagation, Meteorology, Modeling, Remote sensing 02270
- Research and development, Space technology, Artificial intelligence 03638
- Space technology, Satellites, United Kingdom, Telecommunications 02093
- Statistical analysis, Construction, Environmental protection 01807
- Systems design, Missiles, Government programs 00492

Propulsion,
- Acceleration, Trajectories, Guidance and control systems, Spacecraft 00482
- Actuators, Fiber optics, Aircraft engineering 06960
- Aircraft, Control systems, Performance, Multivariate analysis, Modeling 08580
- Aircraft engineering, Guidance and control systems, Testing, Trajectory 05261
- Aircraft engineering, Solar energy, Circuitry, Simulation, Capacitors 04997
- Aircraft engines, Monitoring, Microprocessors 00462
- Aircraft, Flight control systems, Simulation, Stability, Modeling 05266
- Electric power transmission, Energy storage components, Spacecraft, Batteries 03632
- Electric vehicles, Control systems, Microcomputers 07101
- Electric vehicles, Motors, Energy consumption, Research and development 03270
- Electric vehicles, Motors, Simulation 06530
- Electromagnetics, Acceleration, Aerospace test facilities 08045
- Fuel cells, Electrolytes, Materials testing, Research and development 08316
- Helicopters, Turbines, Control systems, Economics 03639
- Ignition, Semiconductors, Spark gaps, Plasmas, Impedance, Pulse generation 02111
- Lasers, Rockets, Thrust 03647
- Linear synchronous motors, Rapid transit systems, Optimization 01695
- Magnetic variables control, Electric variables control, Machinery 05850
- Railway engineering, Control systems, Electromagnetics, Emissions control 03764
- Ramjets, Electromagnetic fields, Rocket engines, Acceleration 02106
- Research and development, Missiles, Aerodynamics, Reliability 06984
- Rocket engines, Launching facilities, Performance 02104
- Satellites, Solar energy 06975
- Ships, Marine engineering, Control systems, Engines, Automation 02331
- Space technology, Accelerators, Plasmas, Current voltage 08615
- Space technology, Lasers, Plasmas, Electromagnetics, Absorption 08022
- Space technology, Power systems 08614
- Space technology, Solar energy, Orbital transfer vehicles 02112
- Space technology, State of the art 05277
- Spacecraft, Acceleration, Optimization, Computer aided analysis 05272
- Spacecraft, Chemical variables control, Performance, Energy conservation 05267
- Spacecraft, Computer aided control 06970
- Spacecraft, Engines, Generators, Solar energy, Research and development 08608
- Spacecraft, Launching facilities, Space technology, Modular design 00483
- Spacecraft, Measurement, Simulation, Flow, Modeling 08280
- Spacecraft, Parameter estimation 06965

Prosthetics,
- Biomedical engineering, Artificial limbs, Control, Pattern recognition 05344
- Biomedical engineering, Computer aided design, Computer aided manufacturing 03658
- Biomedical engineering, Manufacturing, Research and development 05345
- Biomedical engineering, Mechanical strength, Cement, Materials testing 08644
- Cardiovascular system, Acoustics, Measurement, Dissertation 06857
- Feasibility studies, Electromyograms, Signals, Waves 02164
- Valves, Fluid dynamics, Design, Performance 08636
- Valves, Fluid dynamics, Design, Testing, Biomedical engineering 08634
- Valves, Fluid dynamics, Testing, Technology 08635

Protection,
- Alarm systems, Security, Control systems, Systems design 05383
- Audiology, Measuring instruments, Laboratory testing, Environmental protection 00352
- Buses, Differentials 00121
- Cartridges, Dust, Disks, Optical storage 01518
- Communication networks, Control systems, Fault tolerance 00592
- Communications, Channels, Speech recognition, Speech scramblers 07943
- Computer crime, Financial services, Electronic funds transfer 03005
- Data processing centers, Electric power distribution, Power failure 01851
- Data transmission, Encryption, Williams public-key encryption 04796
- Data transmission, Telecommunications, Cryptography 03178
- Electric power distribution, Relays, Voltage, Comparators, Transformers 08214

Protection, (continued)
- Electric power generation, Fiber optics, Multiplexing, Reliability 049
- Electric power generation, Microprocessors, Synchronization, Fault detection 065
- Electric power generation, Systems design, Risk assessment 001
- Electric power transmission, Transients, Peripheral devices 018
- Electric power transmission, Transmission lines, Fiber optics 061
- Electric power transmission, Transmission lines, Monitoring, Multiprocessors 017
- Electrolysis, Voltameters, Corrosion prevention, Lubricants 034
- Electronic mail, Transmission, Cryptography 030
- Failure, Communication networks, Electrostatics 075
- Generators, Synchronization, Relays, Grounding 082
- Impedance, Relays, Design, Busbars 066
- Industrial waste disposal, Cogeneration, Electric power transmission 032
- Information processing, Flow, Telecommunications, Privacy, Economics 030
- Instrumentation, Control systems, Alarm systems 087
- Insulators, Rubber, Electric fields, Transmission lines 001
- Integrated circuits, Packaged components, Elastomers, Silicone 060
- Integrated circuits, Packaged components, Silicon, Reliability 027
- Local area networks, Office automation, Electronic mail, Cryptography 022
- Machinery, Power systems, Current voltage, Automatic control 033
- Mainframes, Electric power transmission, Reliability 071
- Motors, Current voltage, Cables, Capacitors, Impedance 081
- Motors, Switching, Capacitors, Insulators, Winding 081
- Packaged components, Instrumentation, Seals 024
- Power supply, Word processors, Point of sale terminals, Portability 037
- Power systems, Microprocessors, Gears 074
- Pulse code modulation, Coding, Signal transmission, Security, Military 047
- Rectifiers, Fuses, Semiconductors 027
- Relays, Cables, Voltage, Transmission lines 065
- Relays, Voltage, Transmission lines, Electromagnetic waves, Detectors 017
- Standards, Probability, Buildings, Lightning, Risk assessment 037
- Switches, Relays, Microprocessors 049
- Switching, Voltage, Networks 081
- Systems analysis, Reliability, Shut down logic, Failure, Numerical analysis 069
- Telecommunications, Cryptography, Standards 031
- Thyristors, Arc furnaces, Voltage 001
- Transformers, Relays, Current voltage, Computer aided control 043
- Transmission lines, Power supply, Voltage, Input output, Controllers 033
- Transmission lines, Relays, Design 065
- Transmission lines, Relays, Power systems, Optimization 082
- Tungsten, Corrosion resistance, Packaged components, Integrated circuits 027
- United Kingdom, Transborder data flow, Legislation 028
- Voltage, Metal oxide semiconductors, Field effect transistors 044
- Voltage, Spark gaps, Atmospheric conditions, Flashover, Moisture measurement 001

Protective circuits,
- Circuit breakers, Switches, Safety systems, Diodes, Semiconductors 043
- Discharges, Electrodes, Pneumatic systems 038
- Standards, Fault detection, Voltage, Circuit breakers, Power systems, Mining 038

Protocols,
- Access, Communication networks, Channels, Allocation, Data transmission 063
- Access, Local area networks, Fiber optics 013
- Access, Packet switching, Local area networks, Throughput 046
- Access, Satellite communications, Packet switching, Throughput 031
- Access, Transmission, Local area networks, Modeling 046
- Architecture, Local area networks 046
- Broadcasting, Data transmission 095
- Broadcasting, Packet switching, Communication networks, Batch processing 014
- Broadcasting, Teletext, Coding, Computer graphics, Terminals 030
- Channels, Access, Local area networks 063
- Communication networks, Arrays, Control systems, Customer services 029
- Communication networks, Control systems, Data transmission, Scheduling 037
- Communication networks, Data processing, Data base management systems 062
- Communication networks, Data transmission, Packet switching, Architecture 046
- Communication networks, Failure, Partitioning, Modeling, Dissertation 0374
- Communication networks, High level languages, Programming, Testing 055
- Communication networks, Packet switching, Radios, Speech transmission 076
- Communication networks, Satellite communications, Channels, Traffic, Modeling 0157
- Communication networks, Satellite communications, Delay, Data communications 0141
- Communication networks, Specifications, Speech transmission, Integrated systems 0623
- Communication networks, Speech transmission, Packet switching, Multiplexing 0784
- Communication networks, Switching, Access, Data transmission 0305
- Communication networks, Telephones, Integrated systems, Technology, Standards 0466
- Communication networks, Traffic, Routing, Optimal control 0462
- Compatibility, Interfaces, Data communications, FRG 0621
- Converters, Terminals, Printers, Switching, Communication networks 0871
- Data communications, Machinery, Storage, State exploration 0781
- Data transmission, Broadcasting, Communication networks 0635
- Data transmission, Communications, ALOHA, Throughput 0793
- Data transmission, Control systems, Broadcasting, Communication networks 0477
- Error, Local area networks 0463
- Information processing, Distributed systems, Communication networks, Modeling 0601
- Local area networks, Access, Buses, Scheduling 0539
- Local area networks, Access, Control systems, Stability, Delay 0142
- Local area networks, Channels, Circuitry, Queueing theory, Dissertation 0617
- Local area networks, Channels, Performance, Modeling, Circuitry 0793
- Local area networks, Channels, Signal transmission, Packet switching 046
- Local area networks, Compatibility, Ethernet, CSMA/CD 0943
- Local area networks, Data transmission, Packet switching 0464
- Local area networks, Data transmission, Queueing theory 047
- Local area networks, Data transmission, Robustness 047
- Local area networks, Distributed processing, Broadcasting, Architecture, Banet 070
- Local area networks, Fiber optics, Interfaces 0771
- Local area networks, Fiber optics, Speech transmission, Routing, Robustness 093
- Local area networks, Fiber optics, Waves, Technology, Research and development 029
- Local area networks, Modulation, Packet switching, Performance 079
- Local area networks, Packet switching, Speech transmission 046

tocols, (continued)
ocal area networks, Packet switching, Standards ... 03020
ocal area networks, Performance, Delay, Modeling, Standards ... 06256
ocal area networks, Plug compatibility, Mainframes, Minicomputers ... 05411
ocal area networks, Plug compatibility, Standards ... 05414
ocal area networks, Realtime systems, Traffic, Topology, Dissertation ... 03747
Local area networks, Simulation, Telephones, Technology, Packet switching ... 07843
Local area networks, Software development, Interfaces, Strathnet ... 05408
Local area networks, Topology, Access ... 08724
Local area networks, Topology, Architecture, Data communications, Flow ... 08726
Local area networks, Transmission, Fiber optics, Hubnet ... 04571
Marine engineering, Safety, Satellite communications, Electronic equipment ... 06115
Modeling, Formal languages, Validation, Grammars, Dissertation ... 02883
Networks, Systems design, Distributed processing ... 05406
Packet switching, Circuitry, Local area networks, Integrated systems ... 02992
Packet switching, Interactive systems, Architecture, Communication networks ... 07813
Packet switching, Radios, Communication networks, Signal transmission ... 07684
Packet switching, Speech transmission, Modular design ... 09455
Packet switching, Telecommunications, Facsimile systems ... 09462
Packet switching, Traffic, Communication networks, Speech transmission ... 07954
Personal computers, Machine machine interactions, Mainframes, Data bases ... 03754
Queueing theory, Validation, Simulation, Control systems ... 04610
Radio communications, Packet switching, Dissertation ... 01308
Radio communications, Transmission, Channels ... 02900
Robustness, Local area networks, Architecture, Transmission ... 04785
Satellite communications, Modeling, Architecture, Identification ... 02071
Satellite communications, Packet switching, Speech transmission ... 07791
Satellite communications, Simulation, Networks, Modeling, Optimization ... 04614
Satellites, Interfaces, Telephones, Packet switching ... 03069
Signal processing, Detection, Poisson processes, Functions, Problem solving ... 06335
Specifications, Communication networks, Architecture ... 09440
Specifications, Verification, Decomposition ... 06105
Standards, Packet switching, Telecommunications, Channels ... 03061
Systems design, Networks, Software development, Nestar Plan 4000 ... 04463
Telecommunications, Radios, Reliability, Mobile systems, Dissertation ... 07678
Telecommunications, Videotex, Standards, Publishing, Research and development ... 06128
Telemetry, Satellite communications, Radio communications, Mobile systems ... 06117
Teletex, Communication networks, Specifications, Standards ... 01411
Testing, Architecture, Synchronization, Specifications ... 07676
Validation, Local area networks, Modeling ... 04637
Videotex, Communication networks, Data communications, Image processing ... 01316
Videotex, Standards, Coding, Syntax, Research and development ... 06089
otons,
Excitation, X-rays, Fluorescence, Diffraction, Spectrometers ... 05061
rradiation, Gallium arsenide, Light emitting diodes, Degradation ... 08901
Irradiation, Gallium arsenide, Single crystals, Solar cells ... 03944
Irradiation, Gallium arsenide, Solar cells, Short circuits ... 05619
Irradiation, Solar cells, Performance, Space technology, AlGaAs-GaAs ... 05644
Nuclear magnetic resonance, Tomography, Image processing ... 05045
Synchrotrons, Magnets, Superconductivity, Fabrication ... 04135
ychology,
Speech recognition, Human factors, Error, Statistical analysis ... 01488
Testing, Feedback, Simulation, Dissertation ... 00630
blic health,
Magnetic fields, Electric fields, Biology, Transmission lines ... 04914
blishing,
Automation, Technological forecasting, State of the art ... 05554
Automation, Technology, Instrumentation, Software development ... 02284
Consumer electronics, Information retrieval, Videotex, Dissertation ... 09428
Electronic equipment, Information processing, Economics, Europe ... 06235
Telecommunications, Videotex, Protocols, Standards, Research and development ... 06128
lse amplitude modulation,
Signal reception, Filtering ... 01594
lse code modulation,
Capacitors, Switching, Filters, Frequency, Design ... 05450
Coding, Sequences, Signal processing, Estimation, Redundancy ... 04792
Coding, Signal transmission, Security, Military ... 04763
Coding, Transformations, Image processing, Algebra, Algorithms ... 07952
Communication networks, Switching, Channels, Decision making ... 01460
Electric power distribution, Telemetry, Control systems, Security ... 03315
Encoding, Quantization, Simulation ... 09597
Filters, Design, Multipliers, Canonical forms, Structural analysis ... 02372
Image processing, Data compression, Interpolation, Simulation, Dissertation ... 05699
Image processing, Televisions, Storage, Quantization, Error ... 01599
Optics, Signal transmission, Wavelengths, Channels, Reliability ... 01319
Quantization, Adaptive control, Signal processing, Autoregressive analysis ... 07974
Quantization, Testing, Signal processing, Televisions ... 03175
Signal processing, Coding, Estimation, Filtering, Simulation ... 07965
Signal processing, Filters, Transfer functions, Time measurement ... 03195
Signal to noise ratio, Data transmission, Channels, Error ... 01598
Signals, Channels, Telecommunications, Dissertation ... 09551
Signals, Coding, Televisions ... 09587
Signals, Filters, Distortion ... 00680
Speech synthesis, Signal processing, Sequences, Data compression ... 01483
Speech transmission, Filters, Signal to noise ratio ... 09596
Systems design, Manufacturing, Maintenance, Energy consumption, Multiplexing ... 04618
Telemetry, Microprocessors, Circuitry, Signal processing, Storage ... 04594
Televisions, Integrated circuits, Memory, Voltage, Receivers ... 02962
Televisions, Silicon, Structural analysis, Modeling ... 09400
lse generation,
Automatic control, Delay ... 02447
Bridges, Thyristors, Inverters, Induction motors ... 06515
Carbon dioxide, Gas lasers, Pumping, Far infrared, Numerical analysis ... 07355
Carbon monoxide, Gas lasers, Pumping, Electron beams, Excitation ... 07394
Cavities, Optical analysis, Lasers, Harmonics ... 00888
Channel capacity, Modulation, Coding, Channels, Fiber optics ... 01584
Pulse generation, (continued)
Charge, Satellites, Sensors, Specifications ... 02109
Charge, Spacecraft, Transient pulse monitor, Surface potential, Discharges ... 02108
Communications, Telemetry, Signal processing ... 01548
Commutation, Thyristors, Inverters, Circuitry ... 06595
Conductors, Explosions, Shock waves, Wave propagation ... 03884
Current, Control systems, Signal converters, Channels ... 00118
Current density, Electrical discharge machining, Electrodeposition, Metals ... 00284
Current, Photodevices, Diodes, Velocity, Electric fields ... 02494
Current, Thermal variables measurement, Interferometry, Arcs ... 00109
Current voltage, Harmonics, Bandwidths, Modulation ... 04936
Current voltage, Waveforms, Semiconductors, Detectors ... 02721
Detectors, Polarization, Radio frequency, Radioastronomy ... 03728
Discharges, Detectors, Pollution control, Dissertation ... 01941
Dye lasers, Modulation, Chirp ... 07352
Dye lasers, Optical analysis, Electrooptics, Pumping, Dissertation ... 07434
Electromagnetic fields, Valves, Electron beams, Pressure ... 00268
Electromagnetic waves, Radio frequency, Radio astronomy, Infrared ... 00279
Electrostatics, Discharge, Radio astronomy, Saturn ... 00583
Emissions, Frequency, Electromagnetics, Wave propagation ... 08031
Energy bands, Solenoids, Lasers, Electron guns ... 00934
Energy conversion, Harmonics, Lasers, Fusion ... 02591
Excitation, Delay, Signal processing, Photoelectric effect, Emissions ... 02524
Forging, Thickness measurement, Probes ... 02444
Frequency, Automatic control ... 02446
Gas lasers, Optics, Waveguides, Signal processing ... 05822
Heating systems, Annealing, Crystal growth, Lasers ... 01004
Impedance, Plasmas, Propulsion, Ignition, Semiconductors, Spark gaps ... 02111
Inductance, Current, Discharges, Waveforms ... 03865
Inverters, Railway engineering, Optimization, Control systems ... 06560
Iodine, Lasers, Pumping, Amplifiers ... 00981
Ions, Magnetic fields, Diodes ... 01113
Ions, Magnetic fields, Insulators, Diodes, Dissertation ... 00263
Lasers, Excitation, Discharges ... 05765
Lasers, Scattering, Absorption, Diffraction, Surface properties ... 00918
Light scattering, Refractive indices, Resonators, Optics ... 00015
Light, Scintillation, Polystyrene ... 08510
Logic circuits, Channels, Metal insulator semiconductors ... 01230
Magnetic fields, Transducers ... 01074
Magnets, Conductors, Superconductivity ... 04153
Mode locking, Carbon dioxide, Gas lasers, Oscillators ... 07400
Modulation, Accelerators, Electron beams ... 02457
Modulation, Fiber optics, Channels, Bandwidths ... 01583
Modulation, Noise, Signal to noise ratio ... 04800
Modulation, Signal processing ... 07212
Neodymium, Glass lasers, Phosphates, Mode locking ... 09022
Neurology, Electrophysiology, Electrodes ... 00530
Nozzles, Gas lasers, Amplification, Mixers ... 04033
Nuclear magnetic resonance, Channels, Control systems ... 05044
Oscillators, Amplifiers, Gas lasers, Carbon dioxide ... 00982
Oscillators, Millimeter waves, IMPATT diodes, Dissertation ... 00695
Photomultipliers, Light emitting diodes, Frequency ... 02448
Power supply, Coil winding machines, Signal converters, Waveforms ... 00068
Power supply, Data transmission, Modulation, Signal processing ... 04747
Power supply, Ionization, Carbon dioxide, Gas lasers ... 00969
Power supply, Spectral analysis, Gain, Semiconductor lasers ... 00954
Power supply, Supersonic flow, Sodium, Lasers ... 00971
Protons, Radar, Mapping ... 07071
Pumping, Gas lasers, Simulation ... 08959
Radar, Microwaves ... 04707
Recording systems, Magnetic tape, Velocity, Signal processing ... 01981
Reflectivity, Lasers, Switching, Charge carriers, Time measurement ... 00905
Regenerators, Oscillators, Nuclear quadrupole resonance, Modulation ... 02442
Relaxation, Excitation, Lasers ... 00979
Resonance, Pressure measurement, Pipelines, Acoustics, Damping ... 01982
Ruby lasers, Resonators, Switching, Circuitry ... 07372
Semiconductor lasers, Kinematics, Recombination, Injection ... 07381
Semiconductors, Diodes, Voltage, Current ... 07543
Signal processing, Ultrasonics, Radiation, Lasers ... 02586
Simulation, Impedance, Frequency, Matching ... 08829
Sonar, Microcomputers, Signal processing, Logic circuits, Oceanography ... 03108
Spark gaps, Switching, Insulators, Discharges, Voltage, Moisture measurement ... 01748
Spectroscopy, Signal processing, Charge carriers, Emissions, Dissertation ... 01939
Stability, Infrared, Dye lasers, Tuning ... 09023
Storage rings, Superconductivity, Cryogenics, Solenoids ... 04223
Superconductivity, Energy storage components, Shielding, Solenoids ... 04286
Superconductivity, Solenoids, Transmission lines ... 04258
Synchronization, Ruby lasers, Plasmas ... 07213
Telemetry, Cancelers, Signal processing, Interference ... 04789
Thyristors, Switching, Modulators, Inductance ... 07211
Thyristors, Temperature, Controllers, Stability ... 05537
Thyristors, Voltage, Switching ... 06784
Tokamaks, Plasmas, Superconductivity, Coil winding machines ... 04254
Transistors, Magnetic fields, Switches, Frequency ... 06783
Transmission lines, Impedance, Switching, Power systems ... 09104
Transmitters, Wave propagation, Electromagnetic waves, Antennae ... 04845
Video systems, Electromagnetic waves, Mapping, Radar, Electromagnetic waves ... 07018
Voltage, Amplifiers, Transistors ... 02445
Voltage, Measurement ... 06771
Voltage, Thermal variables measurement, Memory, Area measurement ... 06770
Waveguides, Electrical resistivity, Diodes, Current voltage ... 03245
Weapons, Nuclear energy, Safety, Electromagnetic fields ... 00027
X-ray diffraction, Metering, Voltage, Photodiodes, Detectors ... 08862
Pulses,
Amplitude, Time measurement, Spectral analysis, Pulse generators ... 05078
Channels, Current voltage, Amplitude, Frequency, Detection ... 05167

Pulses, (continued)
- Chirp, Dye lasers, Frequency, Modulation ... 07408
- Chirp, Perturbation, Dielectrics, Waveguides, Lenses ... 07489
- Circuitry, Displacement, Measurement, Transducers, Direction sensing ... 02403
- Communication networks, Interfaces, Channels, Integrated systems ... 03163
- Computer aided analysis, Channels, Memory, Input, Coding ... 05395
- Controllers, Data collection, Storage, Analog to digital converters ... 05149
- Dye lasers, Mode locking, Amplitude ... 08999
- Echo, Transducers, Diffraction ... 08486
- Electromagnetics, Electric variables control, Simulation ... 04811
- Frequency, Signal processing, Simulation, Performance, Error ... 07210
- Lasers, Carbon dioxide, Flow, Research and development ... 05767
- Lasers, Copper, Flow of gases, Frequency, Numerical analysis ... 08970
- Lasers, Geometry, Polarization, Lidar, Optical axes misalignment ... 02606
- Lasers, Materials testing, Wavelengths, Research and development, Beams ... 05748
- Measurement, Signal processing, Frequency, Amplitude, Numerical analysis ... 08429
- Missiles, Guidance and control systems, Optimal control, Motors, Algorithms ... 03630
- Modulation, Circuitry, Current, Power supply ... 01780
- Modulation, Drives, Control systems, Inverters, Read only memory ... 03307
- Music, Automation, Quality control, Sequences, Weighting ... 09480
- Optical communications, Channels, Signal processing, Modulation, Detection ... 09557
- Pulsewidth modulation, Telemetry, Signal to noise ratio, Data collection ... 06184
- Realtime systems, Timers, Channels, Input, Scanning ... 05315
- Scintillators, Time measurement ... 05160
- Signal processing, Coding, Alignment, Gates ... 03976
- Signal processing, Modulation, Waves, Bipolar devices, Polynomials ... 03193
- Signals, Waveforms, Filters, Delay, Ambiguity ... 08737
- Transfer functions, Parameter estimation, Signal processing, Control systems ... 02017
- Transmission, Signal processing, Filtering, Radar ... 01527
- Voltage, Capacitance, Harmonics, Switching ... 04899
- Wave propagation, Fiber optics, Coupling, Flow, Numerical analysis ... 06141
- Waves, Modulation, Signal to noise ratio, Frequency, Loops ... 03188

Pumping,
- Ammonia, Chemical lasers, Raman effect, Wave equations ... 07410
- Argon, Gas lasers, Electron beams, Oscillation, Wave propagation ... 00970
- Carbon dioxide, Gas lasers, Excitation, Microwaves ... 09012
- Carbon dioxide, Gas lasers, Waveguides, Design ... 05773
- Carbon monoxide, Gas lasers, Pulse generation, Electron beams, Excitation ... 07394
- Carbon tetrafluoride, Lasers, Power, Oscillators ... 07409
- Chemical lasers, Frequency, CHD$_2$F FIR laser ... 09031
- Dye lasers, Optical analysis, Electrooptics, Pulse generation, Dissertation ... 07434
- Dye lasers, Reliability ... 09014
- Dye lasers, Resonators, Injection, Wavelengths ... 09020
- Emerald, Lasers, Excitation, Tuning ... 05743
- Far infrared, Carbon dioxide, Gas lasers, Numerical analysis ... 07355
- Far infrared, Gas lasers, Vinyl chloride ... 05771
- Far infrared, Lasers, Emissions ... 09030
- Far infrared, Lasers, Numerical analysis ... 07365
- Far infrared, Lasers, Optics, Excitation ... 07363
- Far infrared, Lasers, Resonance, Spectral analysis ... 08968
- Far infrared, Lasers, Spectral analysis, CHD$_2$F ... 05049
- Gallium arsenide, Heterostructure lasers, Relaxation, Emissions ... 09025
- Gas lasers, Absorption, Photons, Carbon monoxide ... 04032
- Gas lasers, Aerodynamics, Refractive indices ... 00922
- Gas lasers, Dye lasers, Mode locking ... 07414
- Gas lasers, Electron beams, Charge, Dissertation ... 08992
- Gas lasers, Far infrared, CD$_3$OH ... 00980
- Gas lasers, Far infrared, Lasers, Spectroscopy ... 09018
- Gas lasers, Krypton, Fluorescence, Spectral analysis, Sodium ... 06740
- Gas lasers, Microwaves, Acoustooptics, Mode locking ... 08928
- Gas lasers, Photochemistry, Ultraviolet radiation ... 00983
- Infrared, Lasers, Radio waves, Waveguides ... 08405
- Iodine, Lasers, Pulse generation, Amplifiers ... 00981
- Krypton fluoride, Xenon chloride, Gas lasers, Electron beams, Control systems ... 08976
- Lasers, Optoacoustic effect, Signal processing, Modulation ... 08929
- Lasers, Power supply, Pulse generation, Supersonic flow ... 00971
- Lasers, Radiation, Hysteresis, Wave propagation ... 08971
- Lasers, Solar energy, Emissions, Absorption ... 08981
- Lasers, Solar energy, Gases, Photodissociation ... 08987
- Lasers, Solar energy, Kinetics, Iodine ... 08982
- Lasers, Sulfur, Fluorescence, Spectral analysis ... 07360
- Methyl fluoride, Gas lasers, Design, Far infrared, Resonance ... 07398
- Methyl fluoride, Gas lasers, Frequency, Measurement ... 07406
- Mixers, Circuitry, Performance ... 08086
- Molecules, Lasers, Tuning, Frequency ... 08969
- Neodymium, Lasers, Solar energy, Space technology ... 08984
- Ozone, Gas lasers, Frequency, Far infrared, Emissions ... 07393
- Pulse generation, Gas lasers, Simulation ... 08959
- Radio waves, Infrared, Waveguides, Lasers ... 08967
- Raman scattering, Gas lasers, Resonators ... 05766
- Resonators, Lasers, Fourier transforms, Optical analysis, Dissertation ... 09123
- Rubidium, Atoms, Optics, Photodevices ... 07420
- Semiconductor lasers, Cooling, Thermal variables measurement ... 09004
- Semiconductor lasers, Design ... 09003
- Semiconductor lasers, Tuning, Temperature, Reflection ... 07382
- Semiconductor lasers, Wavelengths, Emissions, Refractive indices, (GaAl)As ... 08962
- YAG lasers, Dye lasers, Frequency, Wavelengths ... 07412

Pumps,
- Cryogenics, Refrigeration, Adsorption, Phase transitions, Cryostats ... 05794
- Diesel engines, Automotive engineering, Computer aided control, Microcomputers ... 02334
- Drives, Induction motors, Wear, Failure, Control systems ... 04869
- Electromagnetics, Magnetic fields, Eddy current, Distributions ... 07448
- Frequency, Control systems, Drives, Design, Loading ... 04875
- Frequency, Hydroelectric power generation, Power plants, Ignition ... 00138
- Hydroelectric power generation, Control systems, Storage ... 06606
- Hydroelectric power generation, Energy storage components, Control systems ... 00137

Pumps, (continued)
- Induction motors, Oil wells, Thermal insulation, Cables ... 050
- Livestock equipment, Water, Solar energy, Design, Economics ... 066
- Pipelines, Oil, Electric power generation, Generators, Batteries ... 049
- Solar energy, Fuel efficiency, Fluid mechanics ... 018
- Solar energy, Lasers, Energy conversion, Telecommunications, Numerical analysis ... 049
- Synchronous machines, Drives, Electric power transmission ... 032
- Torque, Induction motors, Electric variables control, Velocity ... 049

Purchasing,
- Automotive engineering, Robots, Mechanical handling ... 020
- Transducers, Vibration, Measurement, Machinery, Economics ... 075

Pyranometers,
- Calibration, Meteorology, Radiation, Solar energy ... 005

Pyroelectric devices,
- Planar processes, Far infrared, Detectors ... 019

Pyroelectricity,
- Far infrared, Detectors, Power, Measurement, Calibration ... 067
- Lasers, Televisions, Cameras, Image processing ... 073
- Radiometers, Detectors, Infrared, Radiation ... 067
- Sensors, Ions, Etching, Lithium niobate ... 026
- Sensors, Preamplifiers, Capacitance, Noise ... 026

Pyrolysis,
- Cellulose, Visible range, Flux, Arcs ... 050

Quality control,
- Acoustic emissions, Nondestructive testing, Structural analysis ... 051
- Aircraft, Guidance and control systems, Stability, Optimization, Dissertation ... 069
- Arrays, Signal to noise ratio, Interference, Circuitry, Error ... 063
- Assembling, Injection molding, Mechanical handling, Telephones ... 030
- Assembling, Inspection, Vision, Printed circuit boards ... 004
- Atmospheric conditions, Holography, Aerosols, Image processing ... 003
- Audio systems, Signal processing, Circuitry, Computer aided analysis ... 078
- Automation, Televisions, Surface properties, Interferometry ... 085
- Automotive engineering, Artificial intelligence, Robots, Alfa Romeo ... 036
- Bearings, Heat treatment, Nondestructive testing ... 019
- Biomedical engineering, Materials testing, Loading, Mechanical strength ... 086
- Cables, Dielectrics, Thermal conductivity ... 017
- Channels, Speech transmission ... 094
- Charge, Electrons, Composite materials, X rays, Nondestructive testing ... 019
- Color, Televisions, Cameras, Frequency, Integrated circuits ... 029
- Communication networks, Management, Systems analysis ... 030
- Communication networks, Marketing, Government regulations ... 077
- Communication networks, Systems design, Optimization, Technology, Circuitry ... 014
- Corrosion, Dry cells, Electrodes, Polarization, Potentials ... 066
- Data collection, Remote sensing, Imaging, Landsat-4 ... 053
- Displays, Televisions, Color ... 013
- Displays, Televisions, Fixed versus variable letter width ... 013
- Distortion, Bandwidths, Multiplexing, Modulation, Televisions ... 061
- Economics, Electric power distribution, Power plants, Design, Specifications ... 055
- Education, Training, Engineering ... 087
- Electric power apparatus, Safety, Maintenance ... 002
- Electric power generation, Fiber optics, Multiplexing, Protection, Reliability ... 049
- Electronic equipment, Circuitry, Packaging, Economics ... 055
- Electronic equipment, Gauges, Instrumentation, Statistical analysis ... 010
- Fiber optics, Scintillators ... 051
- Films, Radiography, Nondestructive testing, Copper, Steel, Filters ... 034
- Filters, Pulses, Frequency, Structural synthesis ... 023
- Guidance and control systems, Navigation, Satellite communications ... 078
- Holography, Production, Technology, Cameras, Research and development ... 040
- Horological instruments, Nondestructive testing, Leak detection, Watches ... 085
- Image processing, Biomedical engineering, Radiology ... 052
- Image processing, Edges, Detection, Segmentation, Performance ... 057
- Image processing, Interpolation, Functions, Smoothing ... 039
- Image processing, Medical electronics, Computed tomography ... 036
- Image processing, Production control, Punching ... 004
- Image processing, Radar, Satellite communications, Mapping, Geology ... 070
- Image processing, Reconstruction, Organization and methods, Beam hardening ... 069
- Image processing, Transmission, Resolution ... 095
- Imaging, Signal to noise ratio, Radiology ... 021
- Inspection, Components, Silicone ... 034
- Inspection, Nondestructive testing, Optics, Surface roughness ... 025
- Inspection, Nondestructive testing, Radiography, Flaw detection ... 019
- Inspection, Pattern recognition, Robots ... 004
- Integrated circuits, Packaging, Moisture measurement ... 045
- Interference, Signal transmission, Cables, Velocity ... 047
- Interferometers, Wave propagation, Aberrations, Optical storage ... 015
- Lasers, Gases, Research and development, Industry, Performance ... 057
- Lasers, Materials testing, Process development, Inspection, Industry ... 057
- Lasers, Surface properties, Circuit boards, Radiography, Soldering ... 045
- Manipulators, Robots, Production, Control systems, Dissertation ... 069
- Medical electronics, Image processing, X-rays ... 052
- Metrology, Design, Circuitry, Frequency ... 084
- Metrology, Measurement errors ... 002
- Microcomputers, Printers, Typesetting, Software development ... 023
- Music, Automation, Pulses, Sequences, Weighting ... 094
- Nondestructive testing, Boilers, Tubes ... 019
- Nondestructive testing, Component boards, Inspection ... 057
- Nondestructive testing, Fiber optics, Components ... 009
- Nondestructive testing, Inspection, Robots, Vision ... 004
- Nondestructive testing, Plastics industry, Measurement errors, Ultrasonics ... 003
- Nondestructive testing, Radiography, Welds, Joints ... 088
- Optical disks, Laser diodes, Oscillation, Noise ... 009
- Optical systems, Lenses, Interferometry ... 008
- Optics, Design, Aircraft engineering, Simulation, Displays ... 088

y control, (continued)
cs, Image processing 05660
em recognition, Computer aided analysis, Inspection, Ball bearings 03992
ision engineering, Instrumentation, Calibration, Nondestructive testing 03521
ision engineering, Nondestructive testing, Nuts and bolts 01626
ers, Color, Ink, Spectral analysis, Thermal variables control 08946
ers, Electronic equipment, Data processing, Output, Productivity 02285
ess control, Electric power generation, Distributed systems, Loading 03387
luction, Assembling, Robots, Optics, Inspection 06942
luction control, Nondestructive testing, Inspection, Optics 05690
thetics, Biomedical engineering, Computer aided design 03658
iology, Image processing, Resolution 05304
er displays, Image processing, Resolution 03962
eivers, Communication networks, Data transmission, Noise, Channels 09580
ability, Manufacturing, Electronic equipment, Life cycle testing 02065
ability, Process control, Instrumentation, Hydrocarbon processing 02066
mote sensing, Image processing, Filtering, Stability 02251
ots, Inspection, Nuclear reactors, Joints 02047
ots, Productivity, Safety, Occupational health, Economics 02023
ottky diodes, Tunnel junctions, Electric fields, Superconductivity 04218
miconductors, Spectroscopy, Fluorescence, Molding 01115
miconductors, Testing 02690
nal processing, Scanning, Interference, Televisions, Displays 02952
nal processing, Speech recognition, Adaptive delta modulation 01589
nal transmission, Televisions, Interlaced scanning 01385
ar cells, Current voltage, Modeling, Least squares estimation 05614
enoids, Signal processing, Superconductivity, Magnets, Acoustic testing 04192
eech recognition, Linguistics, Semantics, Perception, Phonetics 04687
eech synthesis, Integrated systems, Simulation, Data communications 07812
eech transmission, Pattern recognition, Naive versus practiced speakers 03078
chronization, Audio systems, Recording systems 04670
ecommunications, Electronic equipment, Capital investment, Finance 06091
ecommunications, Networks, Maintenance, Troubleshooting 04659
ephones, Acoustic variables control, Echo cancelers 07850
ephones, Customer services, Speech transmission, Standards, Hungary 01453
ephones, Mobile systems, Radios, Research and development 01444
evisions, Coding, Signal processing, Color, Broadcasting 07779
evisions, Coding, Signal transmission, Filtering, Integrated circuits 02965
evisions, Technology, Compatibility, Resolution, High definition television 07777
sting, Hazardous materials handling, Robots, Pharmaceutical industry 08540
t processing, Speech synthesis, Filtering, Performance 03080
nsmission lines, Interference, Signal to noise ratio, Televisions 01036
y large scale integration, Integrated circuits, Design, Structural analysis 01244
eo systems, Recording systems, Electron beams, Audio systems 02916
lding, Lasers, Seals, Manufacturing, Technology 04048
tization,
orithms, Decoding, Convolutional codes, Boundary value problems 03179
alog to digital conversion, Read only memory, Signal processing 03751
alog to digital conversion, Signals, Televisions 01386
alog to digital converters, Interference, Spread spectrum communications 02454
osed loop systems, Control, Pulse code modulation 06909
coding, Gaussian sources, Simulation, Dissertation 04790
coding, Pulse code modulation, Simulation 09597
or, Distributions, Signal processing, Graphs, Output 07906
brication, Circuitry, Filters, Sampling rate alteration 03803
ers, Algorithms, Matrices, Displacement, Signal processing 02367
ers, Error, Simulation 07111
ers, Signals, Modulation 02358
age processing, Televisions, Storage, Pulse code modulation, Error 01599
ise, Image processing, Pattern recognition 03113
ise, Networks, Signal processing 06349
lse code modulation, Testing, Signal processing, Televisions 03175
dar, Signal detection 06337
bustness, Signal processing, Asymptotic behavior, Vectors 01551
gnal detection, Noise, Filters 03122
gnals, Filtering, Dissertation 01596
gnals, Filters, Noise 07132
read spectrum communications, Signal to noise ratio, Waveforms, Filters 07133
aveforms, Data compression, Coding, Design, Dissertation 07951
tizers,
ers, Stability, Limit cycles 07120
ops, Amplitude, Phase shift keying, Modulation, Verification 01565
gnal processing, Statistical analysis, Design, Histograms, Probability 07982
ntum mechanics,
ctromagnetic fields, Wave propagation, Numerical analysis, Polarization 08008
miconductor lasers, Noise, Theoretical analysis 00957
perconductivity, Thin films, SQUID 04115
ntum physics,
ctromagnetic fields, Optical analysis 00017
tz,
equency, Thermal expansion, Elasticity, Stiffness, Thermoelasticity 08393
rmonics, Ultrasonics, Piezoelectricity, Dissertation 02630
trology, Voltage, Signal to noise ratio, Detectors 00291
cillators, Time measurement, Stability, Precision engineering 05527
otoresists, Holography, Optical variables measurement, Surface properties 07439
zoelectricity, Vibration, Frequency, Electromagnetic waves 01031
fractive indices, Millimeter waves, Fourier transforms, Spectroscopy 03561
sonators, Resistors, Capacitors, Performance 08504
sonators, Vibration, Frequency, Pressure, Sensors 08425
ess, Frequency, Thermoelasticity, Least squares estimation, Acoustics 08483
rface acoustic waves, Wave propagation, Piezoelectricity, Electrodes 01967
nthetic crystals, Piezoelectricity, Stress, Temperature, Switching 09084
ching,
ase transitions, Liquefied gases, Helium, Superconductors, Stability 04214
perconductivity, Phase transitions, Magnets, Thermal variables measurement 04245
perconductors, Solenoids, Safety, Cryogenics 04054

Quenching, (continued)
Superconductors, Solenoids, Thermal variables measurement 04202
Thermal variables measurement, Magnets, Superconductivity, Safety 04132
Voltage, Thermal variables measurement, Magnets, Superconductivity 04225
Queueing theory,
Channels, Telephones, Ergodicity 09469
Communication networks, Delay, Coding, Dissertation 06376
Communication networks, Switching, Buffers, Optimization, Dissertation 03200
Communication networks, Terminals, Time sharing systems, Batch processing 06183
Local area networks, Channels, Circuitry, Protocols, Dissertation 06175
Local area networks, Data transmission, Delay, Throughput 04786
Networks, Buses, Distributed processing, Modeling 05396
Networks, Packet switching, Routing, Radio communications 04538
Ordinary differential equations, Communication networks, Packet switching 04532
Packet switching, Circuitry, Communication networks, Data transmission 04582
Packet switching, Distributed systems, Communication networks, Reliability 04643
Protocols, Validation, Simulation, Control systems, Satellite communications 04610
Satellite communications, Networks, Performance, Modeling, Dissertation 07786
Speech transmission, Packet switching, Modulation, Communication networks 01571
Terminals, Communication networks, Switching, Simulation, Performance 07999

Radar,
Accidents, Air traffic control, Aircraft, Safety systems 06947
Air traffic control, Systems design, Data communications 03011
Air traffic control, Systems design, Specifications 03657
Air traffic control, Tracking, Aircraft, Kalman filters 07861
Aircraft engineering, Military aircraft, Antennae, Technology 09498
Airports, Traffic, Control systems, Signal processing, Computer graphics 06290
Algorithms, Beam propagation, Arrays, Antennae, Noise 03103
Antennae, Reliability, Military aircraft 06951
Architecture, Tracking, Signal processing 01528
Arrays, Processors, Architecture, Parallel processing 06298
Atmospheric conditions, Refraction, Boundary layers, Wave propagation 01617
Atmospheric conditions, Remote sensing, Electrons, Current density 04711
Automatic control, Marine engineering, Position control 04709
Backscattering, Atmospheric conditions, Electric fields, Probes 01523
Backscattering, Spectral analysis, Light scattering, Oceanography 03102
Ballistics, Missiles, Detection, Satellite communications, USSR 03104
Calibration, Reflector antennae 04724
Carrier waves, Missiles, Tracking, Guidance and control systems 01532
Communication networks, Switching, Mobile systems, Electronic equipment 01447
Computed tomography, Image processing, Interpolation, Spectral analysis 04714
Cross sectional measurement, Oceanography, Scattering 03105
Cross sectional measurement, Scattering, Electromagnetic waves, Cubes 07876
Doppler shift, Biomedical engineering 07874
Doppler shift, Error, Velocity, Meteorology, Signal to noise ratio 04712
Doppler shift, Microwaves, Biomedical engineering, Impedance 01534
Electromagnetics, Wave propagation, Diffraction, Scattering 08014
Environmental protection, Tracking, Radiation, Safety, Impact analysis 01533
Fiber optics, Microwave devices, Noise, Sensors, Signal processing 06160
Filters, Tracking, Parameter estimation, Optimization, Numerical analysis 06287
Floods, Remote sensing, Rain, Pollution forecasting 03719
Frequency control, Programmable controllers, Microprocessors 09505
Frequency, Simulation, Systems design, Fast Fourier transforms, Polarization 06295
Gallium arsenide, Circuitry, Energy consumption, Radiation, Silicon 09301
Gauges, Acoustic testing, Pressure, Wave propagation, Measurement errors 02271
Glint, Electromagnetics, Scattering, Simulation 04721
Image processing, Antennae, Ultrasonics, Audio systems, Error, Dissertation 04749
Image processing, Fourier transforms, Spectral analysis 07878
Image processing, Geology, Remote sensing, Mapping, Structural analysis 07020
Image processing, Gravity waves, Mathematical models 09500
Image processing, Mapping, Remote sensing, Spacecraft 02213
Image processing, Mathematical models, Gravity waves, SAR 09500
Image processing, Military engineering, Weapons 04723
Image processing, Noise, Resolution 06293
Image processing, Oceanography, Wave propagation, Bathymetry 02276
Image processing, Pattern recognition, Mapping, Geography 07027
Image processing, Quality control, Satellite communications, Mapping, Geology 07029
Image processing, Remote sensing, Modulation, Wave propagation, Water depth 01525
Image processing, Remote sensing, Ocean surveying, Current data 08672
Image processing, Remote sensing, Waves, Oceanography, Boundary layers 03707
Image processing, Signal processing, Pattern recognition, Scattering, Resonance 06303
Image processing, Signal processing, SAR, SEASAT 09499
Image processing, Statistical analysis, Polarization, Oceanography 07871
Image processing, Surveys, Oceanography, SAR 09501
Image processing, Targets, Noise, Information theory, Dissertation 06288
Imaging, Agriculture, SEASAT 09510
Imaging, Lasers, Modeling 07867
Integrated circuits, Algorithms, Image processing, Optics 09276
Interference, Signal processing 06297
Klystrons, Amplifiers, Signal processing, Transmitters, Accelerators 08859
Magnetostatics, Oscillators, Communications, Signal processing 07204
Maintenance, Training, Computer aided control, Aircraft 06291
Mapping, Displays, Remote sensing, Image processing, Aircraft 02895
Mapping, Image processing, Optics, Geology, Interactive systems 07028
Marine engineering, Microwaves, Transistors 04725
Marine engineering, Ships, Accidents 04705
Measurement errors, Position control 03101
Meteorology, Data collection, Computer graphics, MDR 09506
Meteorology, Floods, Remote sensing, Rain 03721
Meteorology, Protection, Aircraft, Lightning 02279
Meteorology, Rain, Automation, Remote sensing 03722
Meteorology, Rain, Remote sensing 03720
Meteorology, Rain, Remote sensing, Calibration 03724

Radar, (continued)
Meteorology, Remote sensing, Hail 03723
Meteorology, Remote sensing, Telecommunications, Photography 03718
Microprocessors, Signal processing, Texas Instruments TMS 320 04758
Microwave devices, Missiles, Military engineering, Research and development 03654
Microwave devices, Satellite communications, Image processing 02258
Microwaves, Distance measurement, Filters, Clutter 08081
Microwaves, Doppler shift, Interferometry, Biology, Dissertation 08420
Microwaves, Remote sensing, Systems design, Data processing, Aircraft 01526
Military aircraft, Ballistics 04722
Military aircraft, Weapons, Missiles, Guidance and control systems 04716
Military engineering, Weapons, Flight control systems, Missiles, Spacecraft 03636
Millimeter wave, Research and development 09509
Minimax, Waveforms, Game theory, Signal processing, Dissertation 04715
Modeling, Estimation, Interference, Satellite communications, Algorithms 06302
Modeling, Image processing, Noise, Remote sensing 04718
Monitoring, Online systems, REDICAL 07864
Navigation, Marine engineering, Microprocessors 03106
Oceanography, Hydrodynamics, Microwaves, Reflectance 00563
Oceanography, Remote sensing, Image processing, Mapping, Sea-ice types 06294
Oceanography, Remote sensing, SEASAT, Surface wind measurement 07063
Performance, Atmospheric conditions, Simulation 07865
Polarization, Detectors, Statistical analysis 01524
Polarization, Reflectivity, Ice, Backscattering 01633
Polarization, Scattering, Interference, Atmospheric conditions 09511
Polarization, Signal processing, Optimization, Antennae, Microwave devices 01530
Protons, Pulse generation, Mapping 07071
Pulse generation, Microwaves 04707
Pulse generation, Video systems, Electromagnetic waves, Mapping, Dissertation 07018
Pulses, Transmission, Signal processing, Filtering 01527
Radio frequency, Microwaves, Wave propagation, Atmospheric conditions 06441
Rain, Meteorology, Remote sensing 03716
Receivers, Antennae, Polarization, Cross sectional measurement 07872
Reflection, Dielectrics, Resonance, Scattering 01529
Reflection, Frequency, Measurement, Waveguides 09515
Remote sensing, Forecasting, Wind stress, Ocean-atmosphere system 08678
Remote sensing, Geology 09504
Remote sensing, Instrumentation, Data collection, Distribution, Standards 06284
Remote sensing, Mapping, Hydrology, Meteorology, Snow cover 07022
Remote sensing, Sea state, Storms, SEASAT 08677
Remote sensing, Wave spectra, Water waves, Oceanography, SAR 09502
Resolution, Signal detection, Simulation 04720
Robots, Vision, Image processing, Lasers, Research and development 05215
Satellite communications, Frequency, Radios, Control systems 06460
Scanners, Detection, Performance 03099
Scanning, Estimation, Signal to noise ratio, Amplitude, Simulation 02894
Scattering, Electromagnetic waves, Symmetry, Reflection 06300
Scatterometers, Remote sensing, Ocean circulation 08670
Scatterometers, Remote sensing, Ocean-atmosphere system 08673
Sensors, Measurement, Scheduling, NP completeness, Dissertation 07875
Sewage treatment, Automation, France, Monitoring 04717
Shipboard equipment, Navigation, Remote sensing 09503
Signal detection, Asymptotic behavior 04719
Signal detection, Quantization 06337
Signal detection, Simulation, Monte Carlo method 07870
Signal processing, Doppler shift, Computer aided analysis, Target detection 09507
Signal processing, Doppler shift, Volume, Coding 04708
Signal processing, Marine engineering, Displays, Testing, Meteorology 07869
Signal processing, Noise, Detection, Probability, Estimation 06393
Signal processing, Research and development, Problem solving, Radios 07914
Signal processing, Robustness, Noise, Dissertation 01560
Signal processing, Scattering, Identification, Reliability, Economics 04706
Signal processing, Simulation, FORTRAN 07866
Signal processing, Technology, Performance, Analog to digital conversion 06299
Signals, Ambiguity functions 07899
Signals, Filtering, Kalman filters 05470
Space technology, Underwater technology, Detectors, Military 07873
Spectral analysis, Atmospheric conditions, Noise, Filters 09514
Spectral analysis, Scattering, Signal to noise ratio, Turbulence, Dissertation 07877
Switches, IMPATT diodes, Noise, Modulation 07548
Synchronization, Position control, Distance measurement, Aircraft 03100
Targets, Classification, Signal to noise ratio, Dissertation 09513
Tracking, Filters, Stability, Graphs, Parameter estimation 05478
Tracking, Noise, Antennae, Least squares estimation, Performance 06481
Tracking, Oil wells, Research and development, Drilling, Mapping 06296
Tracking, Remote sensing, Position control, Aerial bathymetry 04726
Tracking, Simulation, Software development 07868
Troposphere, Electromagnetic waves, Wave propagation 06301
Venus, Topography, Remote sensing, Spacecraft 02261
Waves, Meteorology, Hydrology, Diffusion 03715

Radiation,
Acoustics, Measurement, Structural analysis, Pressure, Dissertation 06851
Anions, Ion exchange, Materials testing, Resins 03916
Antennae, Arrays, Diffraction, Algorithms, Dissertation 01650
Antennae, Distortion, Transmission lines 03254
Antennae, Voltage, Conical log spiral antennae 04852
Antennae, Wave propagation, Electromagnetics 08109
Arrays, Antennae, Performance 08118
Biology, Current, Spectral analysis, Microwaves 05293
Broadcasting, Buildings, Scattering, Modeling, Frequency 06407
Calibration, Thermal variables measurement, Black bodies 06717
Computed tomography, Respiratory system, Density 02163
Cost benefit analysis, Solar collectors, Performance 01822
Crystal defects, Cobalt, Alloys, Mossbauer spectroscopy 00371
Current, Electromagnetic fields 06785
Current, Impedance, Antennae, Numerical analysis, Microstrip antennae 06482

Radiation, (continued)
Cytology, Biology, Microwaves, Thermodynamics 036
Damage, Neutrons, Integrated circuits, Semiconductors 011
Damage, Semiconductors, Integrated circuits 011
Detectors, Electromagnetic fields, Photodevices, Thin films, Infrared 002
Detectors, Masks, Fabrication 068
Detectors, Muons, Underwater technology 069
Detectors, Research and development 051
Detectors, Semiconductors, Cooling systems, Charged particles, Space technology 068
Dipole antennae, Impedance 016
Dipole antennae, Impedance, Power 081
Dipole antennae, Wavelengths 081
Displays, Safety, Legislation, Occupational health 089
Dosimetry, Cables, Polymers, Materials testing, Magnetic fields 039
Dosimetry, Calibration, Laboratory testing, Monitoring, Instrumentation 055
Dosimetry, Data collection, Monitoring, Instrumentation 055
Dosimetry, Electronics, Magnetic fields, Circuitry 034
Dosimetry, Fiber optics 077
Dosimetry, Gamma radiation, Dose response effects, Calibration 067
Dosimetry, Gamma radiation, Plastics 039
Dosimetry, Ionizing radiation, Filters 027
Dosimetry, Ions, Electrons 039
Dosimetry, Irradiation, Cables, Wire, Technology 034
Dosimetry, Materials testing, Technology, Thermal properties, Plastics 036
Dosimetry, Monitoring, Plastics, Structural analysis 039
Dosimetry, Nuclear reactors, Wastewater treatment, Research and development 034
Dosimetry, Peoples Republic of China, Research and development, Nuclear energy 039
Dosimetry, Polyethylene, Absorption, Quality control 034
Dosimetry, Polymers, Cables, Technology, Insulators 039
Dosimetry, Voltage, Performance, Nuclear energy 034
Electric fields, Magnetic fields, Biology, Microorganisms 052
Electromagnetics, Antennae, Modeling, WFLLL2B 064
Electromagnetics, Black bodies, Mathematical models 080
Electromagnetics, Free electron lasers, Cyclotron resonance, Masers 064
Electronics, Nitrogen oxides, Ozone, Buildings 032
Environmental protection, Radar, Tracking, Safety, Impact analysis 015
Eye diseases, Lasers, Polymers 009
Fast Fourier transforms, Algorithms, Error, Antennae, Computer aided analysis 080
Fourier transforms, Interferometers, Spectral analysis, Microcomputers 034
Frequency, Vibration, Doppler shift, Electromagnetics 080
Gallium arsenide, Circuitry, Energy consumption, Silicon, Radar 093
Gallium arsenide, Random access memory, Signal processing, Technology, Design 060
Gas lasers, Optics, Amplification, Electrodes 090
Gas lasers, Refractive indices, Wave propagation, Numerical analysis 090
Glass lasers, Tuning, Remote sensing, Atmospheric conditions 090
Horn antennae, Reflector antennae, Geometry, Pattern recognition 048
Hospitals, Radioactive materials handling, Nuclear medicine 021
Image processing, Biomedical engineering, Signal to noise ratio, Detection 069
Induction machines, Rotation, Surface properties 081
Infrared, Detectors, Pyroelectricity, Radiometers 067
Integrated circuits, Antennae, Integral equations, Optimization, Dipoles 0005
Integrated circuits, Dielectrics, Waveguides, Fabrication, Testing 0431
Integrated circuits, Metal oxide semiconductors, Functions, Approximations 0441
Interference, Electromagnetic waves, Antennae, Ships 0165
Ionizing radiation, Telecommunications, Materials testing 0037
Lasers, Amplifiers, Plasma heating, Nuclear reactions 0663
Lasers, Hysteresis, Wave propagation, Pumping 0897
Lasers, Noise, Theoretical analysis 0896
Lasers, Plasmas, Energy, Absorption 0734
Lasers, Ultrasonics, Signal processing, Pulse generation 0258
Masks, Lithography, Thermal variables measurement, Distortion 0082
Measurement, Nuclear reactors, Computer aided analysis 0515
Measurement, Numerical analysis, Nuclear energy 0844
Measurement, Sensors, Calibration, Remote sensing, Water color 0705
Measurement, Spectroscopy, Physics, Optical analysis 0843
Medical electronics, Electrochemistry, Dose response effects 0366
Membranes, Thermal variables measurement, Gases, Optical analysis 0515
Metal insulator semiconductors, Field effect transistors, Gain 0925
Metal oxide semiconductors, Random access memory, Transistors, Channels 0447
Meteorology, Optics, Astronomy, Refraction, Modeling 0870
Microprocessors, Metal oxide semiconductors, Design, Tolerance, Logic circuits 0449
Microwave devices, Instrumentation, Design, Measurement, Atmospheric conditions 0453
Microwaves, Computer applications, Monitoring instruments, Electric fields 0212
Microwaves, Waveguides, Biology, Adsorption 0323
Monitoring, Dosimetry, Portability 0516
Nuclear energy, Detectors, Sensitivity 0850
Nuclear energy, Thickness measurement, Instrumentation, Gauges 0356
Nuclear reactors, Monitoring instruments, Control systems 0180
Optics, Instrumentation, Detection, Numerical analysis 0572
Optics, Wave propagation, Matrices, Eigenvalues 0430
Optoelectronics, Waves 0082
Perturbation, Velocity, Charge, Electromagnetic waves 0643
Photochemistry, Cytology, Therapeutic systems, Lasers 0050
Plasmas, Satellites, Antennae, Performance 0805
Polarization, Discharges, Hollow cathodes 0581
Radiation protection, Occupational exposure, Bangladesh, Fluorescence 0213
Reflection, Baffles, Design, Optics 0087
Reinforced plastics, Spectroscopy, Infrared, Reflectance 0193
Remote sensing, Instrumentation, Information retrieval, Electromagnetics 0218
Remote sensing, Thermal variables measurement, Parameter estimation 0536
Research and development, Accelerators, Electromagnetics 0391
Resonators, Frequency, Rotating bodies, Dielectrics 0324
Scattering, Holography, Silver halide, Recording systems, Lasers 0904
Signal processing, Microprocessors, Sensors, Digital to analog conversion 0673
Simulation, Satellite communications, Measurement, Scanning, Error 0209
Solar energy, Energy storage components, Thermodynamics, Cooling systems 0666

tion, (continued)
ar energy, Meteorology, Calibration, Pyranometers 00580
ar energy, Meteorology, Diffusion 00579
ar energy, Meteorology, Image processing, Satellites, Remote sensing 00573
ar energy, Pressure, Reflection, Satellites, Orbital motion 08708
ctral analysis, Software, Nuclear engineering 00195
hnology, Infrared, Detectors, Thermal variables measurement 06736
rmodynamics, Flow of gases, Turbulence, Electric variables measurement 09069
rmodynamics, Metals, Heat transfer, Convection, Metrology 09067
rmometers, Optics, Reliability, Electronic equipment 03966
nsducers, Ultrasonics, Vibration, Acoustic emissions, Nondestructive testing 05839
nsmission, Cryogenics, Receivers, Materials testing 07443
pping, Capacitance, Junctions, Band gaps 01137
pping, Surface acoustic waves, Dissertation 01991
ing, Lasers, Electron beams, Free electron lasers 04005
asonics, Absorption, Biology, Dosimetry, Dissertation 02144
aviolet Detectors, Satellites, Image processing 05056
ve propagation, Signal converters, Image processing 04816
ves, Turbulence, Optics, Lenses 04804
ays, Radioactive emissions, Microwaves, Monitoring 05059
tive transfer,
ns, Anodes, Infrared, Current density, Aluminum 01903
at transfer, Solar collectors, Energy storage components 00205
deling, Solar collectors, Flux 03350
ectrometers, Chemical variables measurement, Plasmas 04004
tors,
oustics, Transducers, Circuitry, Dissertation 09143
veguides, Polarization, Coupling, Antennae 08130
o astronomy,
ennae, Millimeter waves, Telescopes, Reflection 01648
arge coupled devices, Image processing, Pulsars, Photometry 07070
ctromagnetic waves, Magnetic fields, Radio frequency, Jets 00585
ctromagnetic waves, Radio frequency, Spectral analysis, Dissertation 00581
ctromagnetics, Interference, Microwaves, Receivers 09323
axies, Mapping, Polarization, Spectral analysis 07067
smas, Radio frequency, Electromagnetic waves, Jets 06446
dio frequency, Electromagnetic waves, Electrostatics, Discharge, Saturn 00583
dio frequency, Electromagnetic waves, Telescopes 00272
dio frequency, Pulse generation, Electromagnetic waves, Infrared 00279
ceivers, Tunnel junctions, Mixers, Amplifiers 06494
flector antennae, Interference, Minimum blocking conditions 04857
ace exploration equipment, Spectral analysis, Supernovae 07069
o communications,
cess, Communication networks, Simulation, Routing, Packet switching 01309
plifiers, Semiconductors, Power supply 00685
plitude, Frequency, Modulation, Testing 09326
adcasting, Channels, Receivers, Feedback, Reliability 09572
annels, Frequency, Signal processing, Data transmission 01314
annels, Signal transmission, Control 01574
annels, Signals, Distortion, Fading 09309
annels, Transmission, Mobile systems 04528
ta collection, Telemetry, Coastal engineering, Meteor-burst telemetry 09410
ta transmission, Channels, Time measurement, Delay 09314
cision making, Networks, Packet switching, Traffic 09317
veloping countries, Information services, Nicaragua, Research and development 04524
equency, Electric power distribution, Automation, Telemetry 04535
equency, Transmission, Simultaneous transmission 04530
itary engineering, Data communications, Signal transmission, Aircraft 05285
itary engineering, Interference, Electronic warfare 00503
bile systems, Data transmission, Control systems 04529
bile systems, Interference, Mathematical models, FH/MFSK 09569
bile systems, Microwaves, Signal processing, Data transmission, Noise 07929
bile systems, Signal processing, Interference 07688
bile systems, Transmission lines, Maintenance 04533
bile systems, Transmission, Modulation 09315
dulation, Signal processing, Noise, Atmospheric conditions 04541
ultipath propagation, Microwave devices, Technology, Modulation 06108
avigation, Electronics, Wave propagation, Microprocessors 03087
avigation, Frequency, Synchronization, Signal processing 03088
avigation, Marine engineering 09318
avigation, Offshore structures, Helicopters, Position control 09310
avigation, Signal processing, Software development, Navaids System 4000 09490
tworks, Noise, Statistical analysis, Amplitude, Signal processing 04526
cket switching, Protocols, Dissertation 01308
cket switching, Throughput, Delay, Dissertation 04525
rformance, Atmospheric conditions 02904
otocols, Transmission, Channels 02900
ueueing theory, Networks, Packet switching, Routing 04538
gnal detection, Filtering, Noise 03189
gnal transmission, Integrated circuits, Microwaves 02905
gnal transmission, Simulation, Monte Carlo method 06121
gnal transmission, Spectral analysis 06112
eech transmission, Air traffic control 08732
eech transmission, Signal processing, Modulation 03199
stems design, Cascades, Signal processing, Motor vehicles 07677
stems design, Mobile systems 04539
chnology, Mobile systems, Telephones, Cellular radio 09458
lecommunications, Hospitals, Emergency medical services, Firefighter services 06106
lecommunications, Microwave radiation, Signal processing, Fading 01639
lecommunications, Signal transmission, India 01284
lemetry, Satellite communications, Mobile systems, Protocols, Quality control 06117
lephones, Data communications, Mobile systems, Spread spectrum communications .. 04527
lephones, Mobile systems, Channels, Signal processing 04652
roughput, Traffic, Signal transmission, ALOHA 09316
pology, Protocols, Dissertation 02908
ansmission, Noise 07690

Radio communications, (continued)
Water supply, Pipelines, Maintenance 04531
Wave propagation, Minicomputers, Satellite communications, Systems development 04801
Waveforms, Distortion, Antennae 07689
Radio frequency,
Amplitude, Modulation, Power, Amplifiers, Voltage 08812
Antennae, Millimeter waves, Mixers, Signal converters 04849
Calibration, Voltage, Breakdown, Vacuum technology, Accelerators 00053
Channels, Noise, Signal processing, Data transmission, Optimization 04772
Current voltage, Capacitance, Superconductivity, Sensitivity 04122
Data transmission, Frequency, Automation, Bandwidths, Distributed processing 04943
Dielectrics, Hematology 00528
Electric power apparatus, Noise, Automotive engineering, Electronic equipment 03763
Electromagnetic fields, Oscillation, Resonators, Spectral analysis 06477
Electromagnetic waves, Cyclotrons, Resonance, Magnetic fields 00271
Electromagnetic waves, Plasmas, Cyclotrons, Current, Dissertation 00302
Electromagnetic waves, Radio astronomy, Spectral analysis, Dissertation 00581
Electromagnetic waves, Scattering, Plasmas, Gas lasers, Dissertation 00973
Electromagnetic waves, Signals, Interference, Atmospheric conditions 00028
Emissions, Thermal variables measurement, Astronomy 07074
Energy, Spectral analysis, Resonance, Aeronomy 07073
Excitation, Carbon dioxide, Gas lasers, Waveguides 07392
Integrated circuits, Current voltage, Josephson junctions 04101
Interferometry, Receivers, Noise, Space technology 07691
Magnetic fields, Electromagnetic waves, Radio astronomy, Jets 00585
Microwaves, Heating systems, Dielectrics, Cost benefit analysis 01027
Microwaves, Neurology, Dielectric permittivity 00522
Millimeter waves, Metrology, Signal processing 03476
Modulation, Plasmas, Power systems, Chemical variables measurement 00737
Oscillators, Bandwidths, Capacitance, Varactors 03856
Pipes, Welding, Heat treatment 01896
Plasmas, Interfaces, Tunnel junctions, Schottky diodes, Josephson junctions 04219
Pulse generation, Electromagnetic waves, Radio astronomy, Infrared 00279
Radio astronomy, Electromagnetic waves, Telescopes 00272
Radio astronomy, Plasmas, Electromagnetic waves, Jets 06446
Radioastronomy, Polarization, Detectors, Pulse generation 03728
Reflectors, Telecommunications, Satellites, Apertures, Offset antennae 01655
Refractive indices, Infrared, Moisture measurement, Resonance 01630
Resonance, Tunnel junctions, Current, Josephson junctions 04234
Satellite communications, Synchronization, Signal processing, Data transmission 02000
Scattering, Wave propagation, Mathematical models 01612
Semiconductors, Field effect transistors, Illumination, Electric fields 00847
Signal processing, Channels, Bandwidths, Multiplexing, Dissertation 07972
Signal processing, Wave propagation, Receivers, Fluctuations 01615
Spectral analysis, Bragg cells, Receivers, Military engineering 00812
Spectral analysis, Reflection, Ionosphere, Doppler shift 06444
Superconductivity, Impedance, Bias, Tuning 04121
Transmission lines, Broadcasting, Phase shifts, Irradiation, Distortion 03205
Voltage, Interference, Partial discharges, Insulators 01916
Wave propagation, Atmospheric conditions, Refraction, Radar 06441
Wave propagation, Attenuation, Mathematical models 01619
Wave propagation, Ionosphere, Geomagnetism, Collisions, Numerical analysis 08664
Wave propagation, Precipitation, Polarization, Coherence 01616
Wave propagation, Refractive indices 06418
Waves, Interferometers, Recording systems 01628
Radio waves,
Antennae, Receivers, Calibration, Magnetic fields 08462
Diffraction, Wave propagation 08018
Emissions, Radiometry, Telescopes, Thermal variables measurement, Mars 08702
Irradiation, Niobium, Bridges, Structural analysis 04114
Pumping, Infrared, Lasers, Waveguides 08405
Pumping, Infrared, Waveguides, Lasers 08967
Receivers, Voltage, Surface acoustic waves, Oscillators 09322
Telescopes, Cables, Switching, Frequency, Spectral analysis 09321
Wave propagation, Attenuation, Atmospheric conditions, Humidity 08048
Wave propagation, Troposphere, Ray tracing, Numerical analysis 08047
Wave propagation, Troposphere, Water vapor, Meteorology, Atmospheric conditions 08011
Radioactive materials handling,
Laboratory methods, Radioisotopes, Biochemistry 01888
Materials recovery, Gamma radiation, Measurement, Neutron counters 04987
Neutrons, Dosimetry, Waste treatment, Flux 02487
Nuclear medicine, Hospitals, Radiation 02124
Nuclear power plants, Electric furnaces, Melting 02623
Radioastronomy,
Interferometry, Millimeter waves, Electromagnetic waves, Detectors, Mapping 04710
Radio frequency, Polarization, Detectors, Pulse generation 03728
Radiography,
Cadmium selenide, Spraying, Dark conduction, Hall effect, Photoelectric effect 07334
Films, Quality control, Nondestructive testing, Copper, Steel, Filters 03454
Image processing, Contrast, Digitizing 00843
Image processing, Tracking, Cameras, Computer graphics, Displays 03669
Inspection, Nondestructive testing, Flaw detection 01911
Inspection, Nondestructive testing, Flaw detection, Materials testing 08904
Nondestructive testing, Welds, Joints 08842
Nondestructive testing, Welds, Nuclear power plants 01809
Soldering, Surface properties, Circuit boards, Lasers, Quality control 04507
Testing, Integrated circuits, Microprocessors, Intel 8085 05997
Xerography, Inspection, Nondestructive testing 03455
Radioisotopes,
Alpha radiation, Spectroscopy, Assays, Electronics 08398
Cardiovascular system, Technetium, Nuclear medicine, Computer applications 02148
Computed tomography, Image processing, Attenuation, Modeling, Dissertation 03967
Dosimetry, Iodine, Astrophysics, Mass spectrometry 00304
Hospitals, Measuring instruments, United Kingdom 00756
Measurement, Instrumentation, Assays, Iodine, Nuclear medicine 00758
Measurement, Instrumentation, Government regulations, Ionizing radiation 00761

Radioisotopes, (continued)
- Measurement, Instrumentation, Measuring instruments, Technetium, Pharmacology ... 00759
- Measurement, Instrumentation, Nuclear medicine, Statistical analysis ... 00760
- Nuclear energy, Measuring instruments, Radium ... 00755
- Nuclear medicine, Cyclotrons, Research and development, Radioactive materials ... 02137
- Nuclear medicine, Photon emission tomography, Image processing, Scanning ... 00506
- Positron emission tomography, Kinematics, Biology, Physiology ... 00518
- Radioactive materials handling, Laboratory methods, Biochemistry ... 01888
- Technetium, Nuclear medicine, Molybdenum, Generators ... 05289

Radiology,
- Biomedical engineering, Image processing, Reconstruction, Pattern recognition ... 03672
- Biomedical engineering, Microwave devices, Tomography, Methodology ... 05291
- Cancer, Thermal variables control, Medical electronics ... 00529
- Clinical medicine, Diseases, Ultrasonics, Dissertation, Liver disease ... 08629
- Computed tomography, Attenuation, Simulation, SPECT ... 05301
- Computed tomography, Cancer, Tumors, Hepatocellular carcinoma ... 08632
- Computed tomography, Filters, Simulation ... 03663
- Computed tomography, Image processing, Reconstruction ... 03671
- Computed tomography, Scanning, Image processing, Microprocessors, Archeology ... 03660
- Data collection, Online systems, Clinical medicine, Tektronix 4054 ... 05294
- Gamma radiation, Biomedical engineering, Image processing, Quality control ... 05295
- Holography, Image processing, Scanning, Medicine, Computer graphics ... 01003
- Image processing, Filters, Simulation ... 05042
- Image processing, Medicine, Algorithms ... 08631
- Image processing, Resolution, Quality control ... 05304
- Image processing, Three dimensionality, Displays, Scanners, Diagnostics ... 00510
- Imaging, Medical electronics ... 02145
- Imaging, Quality control, Signal to noise ratio ... 02142
- Linear accelerators, Electron beams, Photons, Automatic control ... 01671
- Linear accelerators, Systems design, Therapeutic systems ... 02138
- Magnetic storage, Recording systems, Density, Image processing ... 02139
- Medical electronics, Image processing, Computed tomography ... 02571
- Medical electronics, Image processing, Signal to noise ratio ... 03670
- Nuclear medicine, Tumors, Radiation dosimetry, Instrumentation ... 02130
- Radiation dosimetry, Imaging, Hospitals, Monitoring methods, Surveys ... 02133
- Resolution, Signal to noise ratio, Positron emission tomography ... 05601
- Respiratory system, Asbestosis, Computed tomography, Diagnostics ... 08628
- Scanners, Ultrasonics, Image processing ... 05298
- Surveys, Bangladesh, Occupational exposure, Fluorescence ... 02135
- Tumors, Metabolism, Neutron activation analysis, Radiation dosimetry ... 02129
- Ultrasonics, Tissues, Blood, Fluid mechanics ... 02161
- Vision, Sensitivity, Image processing, Diagnostics, Psychophysiology ... 05343
- X-ray radiation, Computed tomography, Filters, Mathematical models ... 03664

Radiometers,
- Computer aided analysis, Atmospheric conditions, Infrared, Oceanography ... 03447
- Detectors, Pyroelectricity, Infrared, Radiation ... 06738
- Floods, Spectral analysis, Pattern recognition, Mapping ... 03690
- Image processing, Remote sensing, Meteorology, Ocean-atmosphere system ... 08675
- Measurement, Computer aided analysis, Mobile systems, Portability ... 05363
- Microwave devices, Remote sensing, Meteorology ... 08695
- Microwaves, Frequency, Electromagnetic waves, Atmospheric conditions ... 04821
- Microwaves, Mixers, Receivers, Thermal variables measurement ... 08400
- Microwaves, Remote sensing, Resolution, Satellites ... 08403
- Offshore structures, Satellites, Combustion, Remote sensing, Oceanography ... 03435
- Optical communications, Detection, Noise, Impedance, Amplifiers ... 01320
- Photodevices, Optics, Infrared, Visible range ... 05720
- Remote sensing, Balloons, Topography ... 05041
- Remote sensing, Image processing, Thermal variables measurement ... 03436
- Remote sensing, Infrared, Visible range, Topography, Reflectance ... 03437
- Remote sensing, Microwaves, Ocean-atmosphere system, Hurricane Allen ... 08649
- Remote sensing, Ocean-atmosphere system, Thermal variables measurement ... 08676
- Remote sensing, Oceanography, Thermal variables measurement, Meteorology, Error ... 03438
- Remote sensing, Satellites, Mapping, Geography ... 07035
- Telescopes, Infrared, Spectral analysis, Satellites ... 05040
- Thermal variables measurement, Oceanography, Hydrodynamics, Remote sensing ... 04713
- Thermal variables measurement, Remote sensing, Geodesy, Mapping ... 03699

Radiometry,
- Calibration, Mapping ... 08661
- Calibration, Solar energy, Measurement, Dissertation ... 06732
- Cryogenics, Receivers, Modules, Image processing, Amplifiers ... 03439
- Dosimetry, Nuclear reactors, Calibration ... 00744
- Fiber optics, Attenuation, Filters ... 01347
- Fourier transforms, Spectrometers, Signal processing, Calibration ... 08404
- Heterodyne reception, Schottky diodes, Mixers, Astronomy ... 08399
- Infrared, Multiplexing, Energy bands, Signal processing, Lasers, Dissertation ... 00930
- Materials testing, Nondestructive testing ... 08397
- Microwaves, Hygrometers, Atmospheric conditions, Moisture measurement ... 01632
- Moisture measurement, Soil science, Microwaves, Simulation, Noise ... 03442
- Nuclear reactors, Fusion, Helium ... 00746
- Radio waves, Emissions, Telescopes, Thermal variables measurement, Mars ... 08702
- Remote sensing, Crop processing and storage, Microwaves ... 03240
- Remote sensing, Microwave devices, Image processing ... 04828
- Thermal diffusion, Thin films ... 09066
- Thermometers, Sensors, Optimization ... 05036
- Vision, Mapping, Sensitivity, Error, Image processing ... 03994
- Wind, Velocity, Microwaves ... 02277

Radios,
- Air traffic control, Guidance and control systems, Tracking ... 00472
- Aircraft, Technology, Microcomputers, Electronic equipment, Interference ... 07090
- Antennae, Telephones, Wave propagation, Signal to noise ratio, Mobile systems ... 01458
- Bandwidths, Channels, Mobile systems, Error correcting codes ... 01304
- Broadcasting, Education, Government regulations, Dissertation ... 02349
- Broadcasting, Satellite communications, Performance, Japan ... 02083
- Broadcasting, Satellite communications, Spectral analysis, Allocation, Orbits ... 07778
- Cameras, Antennae, Remote sensing, Image processing, Adaptive control ... 02906
- Channels, Signal transmission, Reliability ... 06120

Radios, (continued)
- Communication networks, Mobile systems, Architecture, Algorithms, Simulation ... 076
- Communication networks, Mobile systems, Security, Systems design, Modeling ... 045
- Communication networks, Paging devices, Frequency, Microprocessors, Technology ... 061
- Communication networks, Protocols, Packet switching, Speech transmission ... 076
- Communications, Telephones, Business, Research and development ... 093
- Computer programs, Wave propagation, Modeling, Minicomputers ... 016
- Control systems, Industrial processes, Production control ... 093
- Digital systems, Frequency, Polarization, Spectral analysis ... 093
- Disks, Thin films, Frequency, Density, Ferrites ... 058
- Education, Robots, Programming languages, Design, Research and development ... 069
- Feedback, Decision making, Performance, Simulation, Receivers ... 076
- Fiber optics, Communication networks, Planning, Australia ... 045
- Filters, Acoustics, Waves, Mobile systems, Telephones ... 014
- Frequency, Transmission, Degradation ... 061
- Heuristics, Geometry, Diffraction, Fresnel volumes, Numerical analysis ... 000
- Impedance, Bandwidths, Frequency, Cylindrical antennae, Dissertation ... 032
- Interference, Tracking, Satellites, Position control ... 086
- Markov processes, Equilibrium, Dissipation, Distributions ... 000
- Mathematical models, Mobile systems, Channels, Interference, Probability ... 013
- Microstrips, Oscillators, Fabrication ... 045
- Military engineering, Mobile systems, Data transmission, Signal processing ... 013
- Mining, Packaging, Isolation systems, Transceivers, Vibration ... 013
- Mobile systems, Access, Speech transmission, Delay, Simulation ... 076
- Mobile systems, Cellular arrays, Decision making, Technology ... 028
- Mobile systems, Microwave devices, Electronic equipment ... 012
- Mobile systems, Phase shift keying, Frequency, Filters, Interference ... 062
- Mobile systems, Signal transmission, Synchronization, Telecommunications ... 012
- Mobile systems, Telecommunications, Algorithms, Graphs, Simulation ... 028
- Navigation, Marine transportation, Position control, Loran-C ... 094
- Optics, Metrology, Interferometry, Rotation, Time measurement ... 093
- Packet switching, Communication networks, Signal transmission, Protocols ... 076
- Performance, Modulation, Interference, Signal to noise ratio, Frequency ... 077
- Performance, Statistical analysis, Signal to noise ratio, Modulation ... 093
- Position control, Receivers, Sensors, Integrated circuits, Navigation ... 047
- Power plants, Signal transmission, Magnetic fields, Communications ... 063
- Railway engineering, Broadcasting, Channels ... 029
- Railway engineering, Communications, Telephones ... 030
- Railway engineering, Product development, Communications ... 029
- Receivers, Bipolar devices, Integrated circuits, Silicon, Technology ... 028
- Receivers, Signals, Modulation, Feedback, AM ... 029
- Receivers, Voltage, Surface acoustic waves, Oscillators ... 093
- Reliability, Inspection, Tolerance, Specifications ... 029
- Satellite communications, Backup systems, Reliability, Stability, Frequency ... 094
- Satellite communications, Interference, Frequency, Management ... 013
- Satellite communications, Interference, Signal processing, Microwave devices ... 000
- Satellite communications, Mobile systems, Cellular arrays, Frequency ... 028
- Satellite communications, Radar, Frequency, Control systems ... 064
- Signal processing, Antennae, Noise, Mobile systems, Modeling ... 078
- Signal processing, Broadcasting, Distortion, Security, Spectrum inversion ... 047
- Signal processing, Data transmission, Channels, Estimation, Simulation ... 076
- Signal processing, Probability, Wave propagation, Frequency, Modulation ... 013
- Signal processing, Research and development, Problem solving, Radar, Technology ... 079
- Signal to noise ratio, Noise ... 015
- Simulation, Mobile systems, Telecommunications, Military engineering ... 012
- Software packages, Simulation, Signal transmission, Modulation, Fading ... 076
- Spacecraft, Navigation, Position control, Tracking ... 086
- Spacecraft, Satellite communications, Frequency, Propellants, Testing ... 086
- Speech recognition, Mobile systems, Satellite communications, Modulation ... 047
- Speech transmission, Satellite communications, Synchronization, Channels, Delay ... 0141
- Spread spectrum communications, Mobile systems, Frequency, Signals, Tracking ... 013
- Telecommunications, Artificial intelligence, Communication networks, Modeling ... 012
- Telecommunications, Control systems, Microwave devices ... 062
- Telecommunications, Microwave devices, Microprocessors, Maintenance ... 061
- Telecommunications, Office automation, Image processing, Speech transmission ... 030
- Telecommunications, Reliability, Mobile systems, Protocols, Dissertation ... 0767
- Telephones, Mobile systems, Marketing, Telecommunications ... 0144
- Telephones, Mobile systems, Quality control, Research and development ... 0144
- Telephones, Paging systems, Control systems, Software ... 030
- Televisions, Signal transmission, Optimization, Computer aided control ... 012
- Waves, Measurement, Signals, Ionosphere, Receivers ... 016

Radon,
- Alpha radiation, Radiation dosimetry, Mathematical models ... 055

Railway engineering,
- Communications, Telephones, Radios ... 0305
- Drives, Adhesion, Transmission systems, Electric variables measurement ... 0487
- Inverters, Pulse generation, Control systems, Optimization ... 065
- Propulsion, Control systems, Electromagnetics, Emissions control ... 0376
- Radios, Broadcasting, Channels ... 029
- Radios, Product development, Communications ... 0290
- Railway stations, Management, Control systems, Videopult system ... 0376
- Technology, Propulsion, State of the art ... 0376
- Traffic, Communications, Control systems ... 0289
- Transportation, Scheduling, Automation, Optimization ... 0234
- Utilities, Electric power generation, Electrification, Simulation ... 0186

Raman effect,
- Ammonia, Chemical lasers, Pumping, Wave equations ... 0741

Raman scattering,
- Lasers, Spectral analysis, Semiconductors, Dissertation ... 0112
- Raman spectroscopy, Focusing, Spectral analysis, Resolution, Dissertation ... 0030

Random access memory,
- Business statistics, Product development, Semiconductors, Integrated circuits ... 0450
- Circuitry, Amplifiers, Design ... 0243
- Circuitry, Design, Bipolar devices, Capacitors, Fabrication ... 0928
- Circuitry, Fabrication, Time measurement ... 0448
- Circuitry, Fabrication, Time measurement ... 0448

om access memory, (continued)
cuitry, Processors, Transistors, Metal oxide semiconductors, Fabrication 09267
cuitry, Read only memory, Programming, Transistors, Microprocessors 04455
mmunication networks, Channels, Hybrid systems, Delay, Traffic 04581
mputer programs, Gallium arsenide, Standby systems, Current voltage 03750
sign, Transistors, Logic circuits, Energy consumption 07578
brication, Fault detection 04486
brication, Fault tolerance 04482
brication, Photolithography 04488
brication, Time measurement 04489
llium arsenide, Circuitry, Fabrication 04459
llium arsenide, Logic circuits, Length measurement, Bipolar devices 04454
llium arsenide, Signal processing, Radiation, Technology, Design 06016
egrated circuits, Bipolar devices, Metal oxide semiconductors 02759
egrated circuits, Field effect transistors, Junctions, Gallium arsenide 04434
egrated circuits, Redundancy, Design 05505
gic, Hardening, Integrated circuits, Design, Error 06001
agnetic storage, Bubble memory, Reliability, Modules 05857
ainframes, Josephson computers 09056
etal oxide semiconductors, Aluminum, Power supply, Batteries 04478
etal oxide semiconductors, Fabrication, Parameter estimation 04483
etal oxide semiconductors, Fabrication, Technology 05948
etal oxide semiconductors, Integrated circuits, Fabrication, Polysilicon 04481
etal oxide semiconductors, Molybdenum silicide, Lasers, Redundancy 04504
etal oxide semiconductors, Silicon, Channels, Signal processing, Amplifiers 04404
etal oxide semiconductors, Transistors, Channels, Radiation 04476
icroelectronics, Fabrication, Polysilicon 04480
icroprocessors, Circuitry, Design 04479
olysilicon, Fabrication 04487
ead only memory, Programming, Arrays, Metal oxide semiconductors 04453
atellite communications, Image processing, Buffers, Transmission lines 03050
torage, Transistors, Capacitance, Silicon, Fabrication 07642
ansistors, Circuitry, Optimization, Frequency, Control systems 04452
id transit systems,
opulsion, Linear synchronous motors, Optimization 01695
echnology, Propulsion, State of the art 03769
ansmission lines, Power systems, Harmonics, Simulation, Circuit breakers 03766
e earth molybdates,
erroelectric crystals, Phonons, Lattices, Crystal defects 09174
ter displays,
artography, Identification, Pattern recognition, Automation 02249
artography, Topology, Data structure, Research and development 03688
omputer graphics, Image processing, Polygon conversion 07332
omputer graphics, Image processing, Surface texture, Pattern recognition 03746
omputer graphics, Office automation, Broadcasting, Printing industry 07289
ata structure, Mapping, Geography, Information systems, Resource management 02216
orestry, Mapping, Remote sensing 02241
eology, Cartography, Mapping, Data bases, Data collection 02195
eometry, Computer aided design, Computer aided manufacturing 02298
nage processing, Computer graphics, Vision, Interactive systems, Dissertation 03981
nage processing, Resolution, Quality control 03962
lapping, Computer graphics, Interactive systems, Geography, Information systems 02237
lapping, Plotting, Data structure, Image processing, Computer aided analysis 02232
licrocomputers, State of the art 05672
emote sensing, Image processing, Microprocessors, Interactive systems 02202
eproduction (copying), Office automation, Lasers, Digitizing 02605
leigh scattering,
Vave propagation, Electromagnetics, Acoustics, Iron 00023
ction engines,
n engines, Rocket engines, Propellants, Argon, Thrust measurement 03267
ad only memory,
nalog to digital conversion, Signal processing, Successive-approximation A/D 03751
ircuitry, Programming, Transistors, Random access memory, Microprocessors 04455
rror, Fault detection, Dissertation, Concurrent testing 00600
ntegrated circuits, Surface protection, Radiation hardening 05996
arge scale integration, Redundancy, Circuitry, Programming 04475
letal oxide semiconductors, Arrays, Redundancy, Programming, Coding 04477
letal oxide semiconductors, Programming, Bipolar devices, Voltage, Polysilicon 04412
letal oxide semiconductors, Programming, Signal processing, Reliability, Design 04413
letal oxide semiconductors, Voltage, Programming, Circuitry, Arrays 04510
lodulation, Pulses, Drives, Control systems, Inverters 03307
rogramming, Circuitry, Energy consumption, Strobing, Access 03741
andom access memory, Programming, Arrays, Metal oxide semiconductors 04453
andom variables, Generators, Sequences, Statistical analysis 08789
eliability, Fault tolerance, EPROM 03622
torage, Fabrication 06079
hin films, Bipolar devices, Fuses, Programming, Spectroscopy 01241
altime systems,
omputer aided control, Aerospace test facilities, Telemetry 04585
ocal area networks, Traffic, Topology, Protocols, Dissertation 03747
leasurement, Electric power generation, Transverters 01921
lonitoring, Networks, Distributed processing 01436
lonitoring, Radar, REDICAL 07864
rogramming, Signal processing, Software development, Arrays, Processors 04752
ignal processing, Programming, Architecture, Integrated circuits 07892
imers, Pulses, Channels, Input, Scanning 05315
racking, Voltage, Frequency, Microcomputers, Measurement 00093
ceivers,
erospace engineering, Software development, Guidance and control systems 06280
mplifiers, Broadcasting, Satellite communications, Field effect transistors 03851
mplifiers, Fiber optics, Optical communications 09355
ntennae, Emitters, Position control, Power, Measurement 06488
ntennae, Impedance, Electromagnetic waves, Amplifiers 06505
ntennae, Radio waves, Magnetic fields, Calibration 08462
valanche photodiodes, Heterostructures, Optimization, InGaAs/InP 05602
andwidths, Channels, Fiber optics, Modulation, Sensitivity 01373

Receivers, (continued)
Bragg cells, Radio frequency, Spectral analysis, Military engineering 00812
Broadcasting, Channels, Radio communications, Feedback, Reliability 09572
Broadcasting, Circuitry, Ganging errors, Oscillators 02800
Broadcasting, Satellite communications, Noise, Signal processing, Antennae 07802
Broadcasting, Satellite communications, Signal processing, Modulation 01381
Circuitry, Televisions, Color, Phase locked loops, Computer aided control 02949
Coding, Search strategies, Flowcharts, Modeling, Statistical analysis 09585
Communication networks, Data transmission, Noise, Channels, Quality control 09580
Computer graphics, Displays, Televisions, Image processing, Minicomputers 07087
Cryogenics, Modules, Image processing, Amplifiers, Radiometry 03439
Design, Fiber optics, Signal transmission, Coding, Noise 07694
Design, Fiber optics, Transmission, Wavelengths 09390
Dielectrics, Integrated circuits, Amplifiers, Satellite communications 03850
Dipole antennae, Voltage, Impedance 08112
Displays, Color, Image processing, Modeling, Statistical analysis 03969
Documentation, Circuitry, Loops, Software development, Modules 06110
Feedback, Decision making, Radios, Performance, Simulation 07686
Fiber optics, Communications, Design, Performance 07733
Fiber optics, Signal processing, Design, Testing 06154
Field effect transistors, Millimeter waves, Data communications 01898
Filters, Coding, Signal to noise ratio, Decision making 09584
Filters, Modulation, Bandwidths, Noise, Error 02351
Filters, Performance, Signal processing, Equalization 09549
Fluctuations, Radio frequency, Signal processing, Wave propagation 01615
Frequency, Phase shift keying, Coding, Demodulation, Performance 09581
Heterodyne reception, Mixers, Schottky diodes, Lasers 09019
Heterodyne reception, Schottky diodes, Mixers, Antennae 06503
Holograms, Acoustics, Transducers, Data processing, Transmitters 06862
Hydrogen, Masers, Noise, Frequency, Stability 08975
Image processing, Synchronization, Interference, Error, Algorithms 02073
Indium phosphide, Integrated circuits, Millimeter waves, Packaged components 08080
Integrated circuits, Televisions, Automation, Synchronization 02955
Limiters, Frequency, Circuitry, Tracking, Navigation 09491
Mathematical models, Interference, Televisions, Mobile systems 01383
Memory, Televisions, Signal processing, Control systems 02956
Microwaves, Electromagnetics, Interference, Radio astronomy 09323
Millimeter waves, Mixers, Waveguides, Performance 06453
Millimeter waves, Oscillators, Heterodyne reception, State of the art 06731
Mixers, Microwaves, Radiometers, Thermal variables measurement 08400
Mixers, Superconductors, Tunnel junctions 01016
Noise, Radio communications, Cascades, Systems design 07677
Phase locking, Noise, Oscillators, Josephson junctions, Signal processing 05534
Piezoelectricity, Transducers, Ultrasonics 05526
Position control, Space technology, Space shuttle 07858
Radar, Antennae, Polarization, Cross sectional measurement 07872
Radiation, Transmission, Cryogenics, Materials testing 07443
Radio astronomy, Tunnel junctions, Mixers, Amplifiers 06494
Radio frequency, Interferometry, Noise, Space technology 07691
Radio waves, Voltage, Surface acoustic waves, Oscillators 09322
Radios, Bipolar devices, Integrated circuits, Silicon, Technology 02831
Radios, Performance, Statistical analysis, Signal to noise ratio, Modulation 09311
Reliability, Broadcasting, Satellite communications, Modulation, Converters 02990
Satellite communications, Noise 01301
Signal detection, Channels, Phase shift keying, Modulation, Error 01558
Signal processing, Circuitry, Error, Simulation, Hue control 02943
Signal processing, Interference, Cables 07894
Signal processing, Modulation, Noise, Simulation 09598
Signal processing, Noise, Detection, Underwater technology, Dissertation 09527
Signal processing, Televisions, Microprocessors, Field memory, Buses 02944
Simulation, Heat exchangers, Solar energy 00220
Simulation, Satellite communications, Signal transmission, Error 02993
Solar collectors, Mirrors, Heliostats 01834
Solar energy, Electric power generation, Energy conversion, Testing 08329
Sonar, Detection, Reverberation 03111
Sonar, Signal processing, Coherence 03109
Telephones, Circuitry, Design, Tone callers 07852
Telephones, Switching, Frequency, Signal processing, Microcomputers 03052
Televisions, Antennae, Voltage, Interference, Impedance 08094
Televisions, Circuitry, Transformers, Current voltage, Power consumption 09395
Televisions, Integrated circuits, Memory, Voltage, Pulse code modulation 02962
Televisions, Interference, Broadcasting, Automation, Filtering 02964
Televisions, Memory, Metal oxide semiconductors, Research and development 02957
Televisions, Signal processing, Transmission, Multiplexing, Time compression 02970
Televisions, Telephones, Transmission, Image processing 09403
Televisions, Transformers, Magnetics, Coil winding machines 04349
Transducers, Noise, Amplifiers, Signal processing 01990
Transmitters, Electrical resistivity, Soil science, Remote sensing 03698
Transmitters, Transmission, Photodetectors, InGaAs/InP 09370
Tunnel junctions, Mixers, Noise, Temperature, Current voltage 07576
Recombination,
Electrodes, Plasmas, Perturbation 04297
Heterostructure lasers, Leakage current, InGaAsP 07374
Impurities, Degradation, Semiconductor lasers, Light emitting diodes 05682
Indium phosphide, Doping, Photoconductivity, Electric fields, Carrier mobility 03923
Lasers, Pumping, Solar energy, Kinetics, Iodine 08982
Lifetimes, Current voltage, Space charge, Pn junctions 09236
Lifetimes, Metal oxide semiconductors, Capacitors, Temperature 05573
Mercury cadmium telluride, Metal oxide semiconductors, Band structure 05897
Open circuit voltage, Doping, Silicon, Solar cells, Performance 05615
Photodiodes, Current density, Dark conduction, Numerical analysis 07259
Pin diodes, Current voltage, Injection, Charge carriers, Lifetimes 07541
Plasmas, Numerical analysis, Ultraviolet, X-rays, Amplification 08057
Semiconductor lasers, Pulse generation, Kinematics, Injection 07381
Semiconductor lasers, Thermal variables measurement, Radiative transfer 04020
Semiconductors, Doping, Pn junctions, Space charge, Computer aided analysis 05911

Recombination, (continued)
- Silicon, Diodes, Solar cells, Short circuits 07270
- Silicon, Solar cells, Charge carriers, Lifetimes 05630
- Silicon, Solar cells, Performance, Absorption 05611
- Solar cells, Junctions, Schottky barriers, Thin films 08884
- Solar cells, Silicon, Pin junctions, Films 05632
- Surface properties, Molybdenum selenide, Electrodes, Solar cells 05605
- Voltage, Numerical analysis, Cadmium mercury telluride 05143

Recording systems,
- Arrays, Diodes, Memory, Optical storage, Lasers 09041
- Audio systems, Density, Signal processing, Frequency, Research and development 03081
- Audio systems, Magnetic tapes, Coatings 05876
- Audio systems, Synchronization, Quality control 04670
- Audio visual systems, Quality control, Frequency, Modulation 02961
- Cameras, Image processing, Charge coupled devices, Visible range 07651
- Cameras, Video systems, Circuitry 02918
- Chromium dioxide, Magnetic tapes, Coatings, Noise 05866
- Control systems, Kinematics, Holography 07423
- Control systems, Video systems, Hydraulic control equipment, Servomechanisms 01883
- Data bases, Density, Bubble memory, Optical storage 01507
- Data collection, Displays, Reliability, Shift registers, Computer aided control 00598
- Data transmission, Magnetic tapes, Storage, Tape drives, Microcomputers 07086
- Design, Neurophysiology, Laboratory testing 05324
- Design, Optical storage, Lenses, Disks 01505
- Disks, Lenses, Actuators, Costs 01502
- Electric power distribution, Fault tolerance, Channels, Statistical analysis 08267
- Electrodes, Neurophysiology, Electric variables measurement 05325
- Error, Diode lasers, Disks, Optical storage 01491
- Error, Photodetectors, Channels, Optical storage 01493
- Fault detection, Computer aided analysis, Power systems, Data collection 00104
- Fault detection, Utilities, Electric power generation, Georgia Power Company 08233
- Harmonics, Magnetic tape, Thickness measurement, Signal processing 01094
- Holography, Polarization, Diffraction, Wave propagation, Optics 09044
- Holography, Ruby lasers, Aerospace test facilities, Aerodynamics, Flow 05782
- Imaging, Feedback, Signals, Eyes, Accomodation 02156
- Input devices, Output devices, Printers, Signal processing, Microcomputers 00599
- Inspection, Magnetic tape, Magnetic variables measurement 02672
- Instrumentation, Economics, Reliability, Computer aided analysis, Monitoring 08840
- Integrated circuits, Amplifiers, Noise, Computer aided design, Simulation 02432
- Integrated circuits, Design, Signal processing, Color, Bipolar devices 02960
- Integrated circuits, Motors, Controllers, Noise, Signal processing 01689
- Integrated circuits, Noise, Voltage, Performance, Research and development 02675
- Integrated circuits, Signal to noise ratio, Filtering, Oscillators, Controllers 02568
- Ions, Channels, Voltage, Current, Electrophysiology 03683
- Lasers, Holography, Radiation, Scattering, Silver halide 09042
- Magnetic fields, Boundary value problems, Boundary element method 06815
- Magnetic storage, Density, Image processing, Radiology 02139
- Magnetic storage. Output, Simulation, Computer aided analysis 01092
- Magnetic storage, Records management, Parts shipping 01033
- Magnetic systems, Power supply, Thermodynamics, Magnetooptics 01520
- Magnetic tape, Velocity, Signal processing, Acoustic emissions 01981
- Magnetic tapes, Analog systems, Digital systems 07855
- Magnetic tapes, Audio systems, Video systems, Ferric oxide, Iron nitride 05868
- Magnetic tapes, Chromium dioxide, Switching 05873
- Magnetic tapes, Circuitry, Crosstalk, Density 05859
- Magnetic tapes, Digital systems, Performance 05878
- Magnetic tapes, Friction, Viscoelasticity 04352
- Magnetic variables measurement, Coding, Machinery 07519
- Magnetic variables measurement, Computational analysis, Finite element method 07529
- Magnetics, Cobalt, Chromium, Films 05880
- Magnetics, Disks, Coatings, Defects 05877
- Magnetics, Floppy disks 06278
- Magnetics, Optimization 05872
- Magnetics, Optimization, Thin films, Computer aided analysis 09169
- Magnetics, Performance, Cobalt, Chromium 05879
- Magnetics, Surface properties, Cobalt, Hydrothermal processes 05867
- Magnetics, Switching, Hysteresis 05874
- Magnetics, Thickness measurement 05881
- Magnetooptics, Hysteresis, Magnetization, Ferrites, Garnet 05852
- Microwaves, Magnetic tape, Magnets 02678
- Military aircraft, Flight control systems, Speech recognition 08581
- Modulation, Aberrations, Sensitivity, Optical storage 01497
- Noise, Spectral analysis, Density, Magnetic fields, Particulate layer 05858
- Oceanography, Instrumentation, Computer aided control, Microprocessors 05367
- Oil wells, Instrumentation, Depth measurement, Filtering, Performance 03527
- Optical storage, Aberrations, Dust, Thickness control, Protection 01518
- Optical storage, Bubble memory, Photoelectronics 01506
- Optical storage, Disks, Classification, Performance 01517
- Optical storage, Disks, Density 01495
- Optical storage, Disks, Gallium aluminum arsenide, Semiconductor lasers 01496
- Optical storage, Disks, Lasers 01516
- Optical storage, Disks, Replication 01515
- Optical storage, Erasability, Terbium ferrite, Thin films 01513
- Optical storage, Memory, Capacity 01494
- Optical storage, Memory, Photochemical holes, Lasers, Spectroscopy 00862
- Optical storage, Oxidation, Coatings 01514
- Optical storage, Power supply, Semiconductor lasers 01501
- Optical storage, Semiconductors, Films 01508
- Optical storage, Video systems, Disks 01338
- Plotters, Optics, Image processing, Error 06133
- Radio frequency, Waves, Interferometers 01628
- Scintillation, Resolution, Ionization 02008
- Signal to noise ratio, Magnetics, Thin films, Noise 05871
- Sound waves, Microphones, Frequency, Broadcasting 03071
- Surface acoustic waves, Transducers 04345
- Surface acoustic waves, Transducers, Signal processing, Cutterheads 03530

Recording systems, (continued)
- Technological forecasting, Magnetic storage, Information retrieval 0060
- Telephones, Magnetic tape, Management science 0306
- Tellurium, Sensitivity, Stability, Optical storage 0151
- Thermal expansion, Dilatometers, Modulation, Interferometry 0838
- Thermal variables control, Magnetic variables control, Materials testing 0751
- Thin films, Disks, Heat treatment 0151
- Thin films, Gadolinium cobalt, Optical storage 0151
- Thin films, Noise, Magnetic tape, Thermal variables measurement, Eddy currents 0109
- Tracking, Disks, Optical storage 0150
- Video systems, Integrated circuits, Signal processing, Modulation, Voltage 0293
- Video systems, Piezoelectricity, Transducers, Pressure, Lithium iodate 0914
- Video systems, Quality control, Electron beams, Audio systems 0291
- Videodisks, Electrodes, Capacitance, Signal processing, Audio systems 0260
- Videodisks, Lasers, Signal processing, Research and development 0260

Records management,
- Banking, Automation, Information retrieval, Documentation 0374
- Banking, Storage, Security, United Virginia Bank 0871
- Channels, Photodetectors, Error, Computer aided control 0149
- Information processing, Software development, Channels, Dog tags 0528
- Information retrieval, Computer aided analysis, Computer output microfiche 0229
- Information retrieval, Economics, Micrographics, Storage 0089
- Libraries, Acquisitions, Local area networks, Satellite communications 0140
- Magnetic storage, Parts shipping 0103
- Micrographics, Personnel, Training, Economics, Aerospace industry 0398
- Micrographics, Technology, Office automation, Integrated systems 0375
- Office automation, Electronic mail, Technological forecasting 0375
- Personnel, Data processing, Automation, Micrographics, Information retrieval 0256
- Random access, Disks, Recording systems 0149
- Recording systems, Optical storage, Bubble memory 0150

Rectifiers,
- Batteries, Current, Power supply, Synchronous motors 0171
- Control systems, Voltage, Stators, Power supply, Induction motors 0007
- Diodes, Thyristors, Power supply, Electrochemistry 0831
- Fuses, Semiconductors, Protection 0272
- Harmonics, Power systems, Semiconductors, Switches, Dissertation 0658
- Power systems, Waveforms, Current voltage, Capacitors 0493
- Schottky barriers, Voltage, Leakage current 0919
- Semiconductors, Switches, Converters, Voltage 0387
- Silicon, Doping, Annealing, Power 0112
- Superconductivity, Signal converters, Solenoids, Transformers 0428
- Superconductors, Solenoids, Composite materials 0429
- Synchronous machines, Excitation, Fault detection, Current voltage 0326

Recursion,
- Communication networks, Telephones, Flow, Random variables, Modeling 0625

Reflectance,
- Image processing, Radar, Oceanography, Microwaves 00563
- Image processing, Velocity, Fiber optics, X rays 03452
- Infrared, Spectroscopy, Reinforced plastics, Radiation 01937
- Oceanography, Ecology, Image processing, Optical analysis 00560
- Satellites, Channels, Spectral analysis, Oceanography, Remote sensing 00565
- Topography, Visible range, Infrared, Remote sensing, Radiometers 03437
- Transmittance, Passbands, Scattering, Filters, Coatings 00868

Reflection,
- Antennae, Impedance, Voltage 04851
- Antennae, Wave propagation, Interference, Communications 08106
- Bragg reflection, Electrons, Lasers, X-rays, Resonators 05734
- Cavities, Gain, Coatings, Polarization, Dye lasers 00910
- Dielectrics, Frequency, Insulators, Fault detection, Nondestructive testing 07537
- Electromagnetic waves, Interfaces 03207
- Electromagnetic waves, Wave propagation 06417
- Electromagnetic waves, Wave propagation, Amplification, Atmospheric conditions 06445
- Electromagnetics, Frequency, Tapers, Design 06423
- Electromagnetics, Impedance, Waveguides 08024
- Electromagnetics, Wave propagation, Turbulence, Frequency 06440
- Electromagnetics, Wave propagation, Water, Cylindrical antennae 08110
- Filters, Design, Infrared, Optics 00278
- Holography, Emulsions, Triethanolamine, Noise, Diffraction 04040
- Image processing, Ultrasonics, Biomedical engineering, Speckle, Dissertation 00356
- Imaging, Ultrasonics 08487
- Infrared, Silicon, Photoconverters, Titanium, Films 00214
- Interferometers, Doppler shift, Signal detection, Backscattering 04560
- Interferometers, Optics, Lenses 08953
- Lidar, Neodymium, YAG lasers, Wavelengths 01006
- Millimeter waves, Glass, Spectral analysis, Interferometers 08951
- Optics, Anisotropy, Angular measurement, Remote sensing 08657
- Radar, Frequency, Measurement, Waveguides 09515
- Radar, Resonance, Dielectrics, Scattering 01529
- Radiation, Baffles, Design, Optics 00873
- Radio frequency, Spectral analysis, Ionosphere, Doppler shift 06444
- Resonators, Piezoelectricity, Frequency 01065
- Semiconductor lasers, Design, Performance, InGaAsP/InP 05755
- Semiconductor lasers, Pumping, Tuning, Temperature 07382
- Semiconductor lasers, Resonators, Optical properties, Thresholds 04018
- Solar cells, Absorption, Surface properties 00800
- Solar energy, Radiation, Pressure, Satellites, Orbital motion 08708
- Spectral analysis, Photoelectrochemistry, Magnesium titanate 08957
- Spectrophotometers, Semiconductors 06786
- Surface acoustic waves, Gallium arsenide, Signal processing 01968
- Symmetry, Electromagnetic waves, Scattering, Radar 06300
- Telescopes, Millimeter waves, Radio astronomy, Antennae 01648
- Wave propagation, Dielectrics, Waveguides 09122
- Wave propagation, Optics, Image processing, Aberration, Dissertation 06414
- Wave propagation, Polarization, Electromagnetics 08033
- Wave propagation, Transmission lines, Mathematical models, Laplace transforms 09094
- Waveguides, Circulators, Insertion loss, Isolation loss 02649

ection, (continued)
aveguides, Modulation, Switching, Channels, Electrooptics, Dissertation 01061
avelengths, Measurement, Fiber optics 07742
ectivity,
onvolution, Signals, Image processing, Ultrasonics 02143
e, Backscattering, Electromagnetic waves, Radar 01633
olarization, Thermal variables control, Microscopy, Cryogenics 00246
urface properties, Coatings, Semiconductor lasers, Noise 00947
ectometers,
unctions, Microwave radiation, Automation 01647
emiconductor lasers, Photodiodes, Signal processing, Computer aided analysis 04029
ectometry,
erformance, Signal processing, Analog systems, Photon counting 08956
ime measurement, Striplines, Calibration, Dielectrics 01100
ector antennae,
pertures, Performance 06501
eamwidths, Power supply, Voltage 01669
orn antennae, Radiation, Polarization, Pattern recognition 04856
terference, Radio astronomy, Minimum blocking conditions 04857
erformance, Numerical analysis, Fast Fourier transforms, Algorithms 04855
hases, Geometry 06502
adar, Calibration 04724
tate of the art, Hardware 08131
lectors,
ntennae, Data communications, Satellites, Composite materials 01667
ntennae, Electromagnetic fields, Structural analysis, Current 01668
ntennae, Numerical analysis, Scattering 08133
olography, Polarization, Plasma heating, Optics 06630
oop antennae, Radio frequency, Systems design 01660
ptical analysis, Diffraction, Numerical analysis 08132
risms, Neodymium, YAG lasers, Optics 07419
eflector antennae, State of the art, Hardware 08131
emiconductors, Interferometers, Switching, Stability, Dissertation 02450
olar collectors, Focusing, Spectral analysis 02522
olar energy, Power plants, Rotation, Velocity 00219
ymmetry, Microwave devices, Antennae 01651
elecommunications, Satellites, Apertures, Offset antennae, Radio frequency 01655
raction,
tmospheric conditions, Radar, Wave propagation, Boundary layers 01617
yes, Imaging, Feedback, Optometers 02156
eflection, Channel capacity, Vibration, Computer aided analysis 01972
ractive indices,
coustooptics, Integrated circuits, Transducers, Surface acoustic waves 03975
erodynamics, Pumping, Gas lasers 00922
Carrier density, Semiconductor lasers, Aluminum gallium arsenide 04023
Data communications, Fiber optics, Oxidation, Fabrication 04569
Electromagnetic waves, Wave propagation, Scattering, Troposphere, Antennae 06439
Feedback, Modulation, Acoustics, Lasers 00967
Fiber optics, Apertures, Photodetectors, Integrated circuits 04546
Fiber optics, Fabrication, Performance, Optical properties 07732
Fiber optics, Image processing, Transmission, Filters, Coding 01345
Fiber optics, Lenses, Coupling, Gallium aluminum arsenide 07295
Fiber optics, Oscillators 01354
Fiber optics, Scattering, Dispersion, Computer aided analysis 07760
Fiber optics, Visible range, Scanning 07768
Fiber optics, Wave propagation, Backscattering 09371
Fiber optics, Waveguides, Telecommunications, Heterostructure lasers 07758
Gain, Dissipation, Oscillators, Waveguides, Semiconductor lasers 04031
Gas lasers, Radiation, Wave propagation, Numerical analysis 09016
Gas lasers, Resonators, Modes 07399
Glass, Thin films, Waveguides, Light scattering 01051
Heterostructure lasers, Dielectric constants, Current density 07404
njection, Lasers, Waveguides, Temperature, Stability 04007
Laser Doppler velocimetry, Combustion, Flowmeters 02609
Lasers, Modulation, Frequency, Switching, Dissertation 06733
Lithium niobate, Doping, Titanium, Waveguides, Couplers 07482
Magnetic fields, Fiber optics, Switching 04544
Microwaves, Irradiation, Far infrared, Lasers, Resonance 07340
Microwaves, Wave propagation, Atmospheric conditions, Wet air 08046
Millimeter waves, Beryllium oxide, Ceramics 07534
Optics, Lasers, Focusing, Water 00844
Optics, Performance, Lithium niobate, Waveguides 05825
Optics, Switching, Dielectrics, Interfaces 05890
Radio frequency, Infrared, Moisture measurement 01630
Radio frequency, Wave propagation 06418
Refractometers, Design, Optical systems 03950
Resonators, Optics, Light scattering, Pulse generation 00015
Semiconductor lasers, Amplifiers, Carrier density, Stability 00958
Semiconductor lasers, Emissions, Pumping, Wavelengths, (GaAl)As 08962
Semiconductor lasers, Wavelengths, Thermal variables measurement, InGaAsP/InP 05753
Semiconductors, Energy bands, Absorption, Frequency 01117
Solids, Pressure, Infrared, Spectral analysis, Thermal conductivity 05050
Tellurium dioxide, Electrooptics, Bonds, Stress, Strain 02550
Waveguides, Attenuation, Dissipation, Light scattering 02647
Waveguides, Coatings, Fabrication 07481
fractometers,
Design, Optical systems 03950
fractories,
Composite materials, Silver, Contacts, Surface properties, Erosion 07237
Electrochemical machining, Cutting, Metals, Sawing 01805
Integrated circuits, Etching, Ion implantation, Oxidation 01246
Thin films, Metal silicides, Integrated circuits, Metal oxide semiconductors 02829
frigeration,
Compressors, Electromagnetic fields, Motors, Systems design, Dissertation 01683
Compressors, Magnets, Superconductivity, Cryogenics, Linear accelerators 04134
Cryogenics, Adsorption, Pumps, Phase transitions, Cryostats 05794
Refrigeration, (continued)
Cryogenics, Heat exchangers, Performance, Modeling, Research and development 07444
Cryogenics, Magnets, Superconductivity 04142
Electric power generation, Solenoids, Cryostats, Motors, Superconductivity 04291
Photons, Cryogenics, Light emitting diodes 00821
Thermodynamics, Compressors, Energy consumption, Electric power distribution 08254
Refrigerators,
Noise abatement, Mufflers, Compressors, Rotating bodies 04738
Refuse disposal,
Radioactive materials handling, Materials recovery, Gamma radiation 04987
Regenerators,
Oscillators, Pulse generation, Nuclear quadrupole resonance, Modulation 02442
Regression analysis,
Frequency, Transfer functions, Transformations, Identification 05169
Reinforced plastics,
Acoustic emissions, Nondestructive testing, Structural analysis 05113
Ceramics, Military engineering, Electronic equipment, Packaging 06073
Spectroscopy, Infrared, Reflectance, Radiation 01937
Relaxation,
Electron beams, Magnetic fields, Numerical analysis, Monte Carlo method 00266
Excitation, Pulse generation, Lasers 00979
Field effect, Charge carriers, Lifetimes, Semiconductors 09544
Frequency, Chemical variables measurement, Acoustics, Sea water 03523
Gallium arsenide, Heterostructure lasers, Pumping, Emissions 09025
Gallium phosphide, Light emitting diodes, Capacitance, Pn junctions, GaP:Zn:O 07302
Oscillation, Modulation, Aluminum gallium arsenide, Semiconductor lasers 04014
Oscillators, Computer aided analysis, Subharmonics, Decomposition, Sets 02439
Oscillators, Noise, Time measurement, Stability 03862
Spectroscopy, Acoustooptics, Time measurement, Lasers, Absorption, Dissertation 03972
Stress, Aluminum, Cables, Plating, Telephones 07234
Relays,
Cables, Voltage, Protection, Transmission lines 06596
Control systems, Research and development 05830
Electric power distribution, Voltage, Comparators, Transformers 08214
Electric power generation, Microcomputers, Transmission lines, Protection 01844
Electric power transmission, Transformers, Current voltage, Protection 04351
Gas lasers, Discharges, Circuitry, Design, Optimization 08988
Gears, Electromagnetic fields, Electrostatics, Protection 07495
Generators, Synchronization, Grounding, Protection 08262
Grounding, Conductors, Power plants, Fault detection 01715
Impedance, Design, Protection, Busbars 06603
Impedance, Mainframes, Electric power transmission, Simulation 06621
Impedance, Transmission lines, Fault detection, Filters, Algorithms 01731
Power systems, Wave propagation, Design, Performance 08268
Protection, Voltage, Transmission lines, Electromagnetic waves, Detectors 01718
Switches, Protection, Microprocessors, Electric power generation 04902
Switches, Spacecraft, Thermal variables control, Automatic control 02098
Thermal variables control, Switches, Economics 08383
Thermostats, Switches, Precision engineering 09129
Transmission lines, Electric power generation, Current, Mathematical models 05022
Transmission lines, Power systems, Protection, Optimization 08207
Transmission lines, Protection, Design 06597
Reliability,
Acoustics, Ultrasonics, Channels, Instrumentation, Flowmeters 08468
Adhesion, Integrated circuits, Coatings, Black oxides 02864
Ageing, Integrated circuits, Metal oxide semiconductors 01257
Air conditioners, Loading, Control systems 08231
Aircraft engineering, Guidance and control systems, Standards 08582
Aircraft, Guidance and control systems, Testing, Architecture 02077
Analog to digital converters, Time measurement, Sony Flash ADC CX 20052 05165
Architecture, Transmission, Local area networks, Protocols, Robustness 04785
Assembling, Semiconductors, Packaged components, Integrated circuits 06064
Broadcasting, Channels, Receivers, Radio communications, Feedback 09572
Broadcasting, Receivers, Satellite communications, Modulation, Converters 02990
Capacitors, Voltage, Failure, Computer programs, Simulation 04898
Circuitry, Fabrication, Computer aided design, Computer aided manufacturing 07664
Circuitry, Failure, Stress, Current, Metals 05242
Circuitry, Packaging, Ceramics, Composite materials, Thermal variables control 06075
Civil engineering, Pipes, Data bases, Stress, Mechanical strength 02636
Communication networks, Decomposition, Graphs, Algorithms, Matrices 05238
Communication networks, Management, Data processing, Productivity, Economics 03019
Computer graphics, Displays, Air traffic control, Communication networks 03093
Computer programs, Software development, Productivity, Military 02117
Control systems, Petrochemical industry, Automation, Systems design 00399
Costs, Fiber optics, Cables, Underwater technology 09347
Counters, Arithmetic circuits, Testing 06058
Data collection, Meteorology, Microprocessors 05373
Data collection, Recording systems, Displays, Shift registers 00598
Data communications, Networks, Transmission 04626
Data processing centers, Electric power distribution, Protection, Power failure 01851
Data transmission, Error correcting codes 09583
Data transmission, Noise, Synchronization, Token rings 04783
Design, Satellite communications 09419
Dielectrics, Waveguides, Millimeter waves, Design, Integrated circuits 01047
Displays, Readability, Backlighting, Liquid crystal displays 00825
Dye lasers, Pumping 09014
Electric motors, Petrochemical industry, Bearings, Failure, Service life 04876
Electric power apparatus, Wire processing, Thermal insulation 00719
Electric power distribution, Automation, Maintenance, Redundancy, Equipment 00129
Electric power distribution, Cogeneration, Energy sources, Safety 04909
Electric power distribution, Loading, Power supply, Economics 05014
Electric power distribution, Switchgear, Design, Voltage, Costs 08256
Electric power distribution, Transformers, Loading, Algorithms, Modeling 04930
Electric power generation, Accidents, Simulation, Personnel, Training 01856
Electric power generation, Computation, Probability, Frequency, Functions 00156
Electric power generation, Control systems, Computer aided analysis, Costs 04966

Reliability, (continued)
Electric power generation, Cost benefit analysis, Customer services 00149
Electric power generation, Costs, Psychology, Customer services 01870
Electric power generation, Economics, Modeling, Probability, Planning 04916
Electric power generation, Fiber optics, Multiplexing, Protection 04915
Electric power generation, Loading, Economics, Probability, Simulation 03316
Electric power generation, Loading, Stability, Statistical analysis 08241
Electric power generation, Networks, Loading, Risk assessment 01838
Electric power generation, Numerical analysis, Algorithms 04957
Electric power generation, Stability, Power systems, Systems analysis 01750
Electric power generation, Stability, Simulation, Stochastic processes 01858
Electric power generation, Statistical analysis, Maintenance 03384
Electric power generation, Systems analysis, Probability, Bibliography 03407
Electric power transmission, Control systems, Performance, Failure 04905
Electric power transmission, Fiber optics, Local area networks 07719
Electric power transmission, Protection, Transients, Mainframes 01877
Electric power transmission, Transmission lines, Monitoring, Multiprocessors 01736
Electroacoustics, Calibration, Audio systems, Dissertation 06859
Electromagnetics, Metals, Nondestructive testing, Transducers 06795
Electronic equipment, Technology, Fault tolerance 05239
Electroplating, Radiochemical analysis, Maintenance 02006
Encoding, Fiber optics, Signal transmission, Position control, Sensors 03569
Error detecting codes, Control systems, Communications, Data transmission 06221
Estimation, Power plants, Loading, Matrices, Modeling 06612
Fabrication, Microelectronics 09258
Fault detection, Internal combustion engines, Microprocessors 02342
Fault tolerance, Circuitry, Generators, Testing, Computer programs 05500
Fiber optics, Submarines, Telecommunications, Product development 01369
Field effect transistors, Amplifiers, Gallium arsenide, Ageing 08803
Filters, Amplifiers, Capacitors 02357
Flowmeters, Pipelines, Turbines, Economics, Research and development 03539
Forecasting, Electric power distribution, Loading 06574
Gallium arsenide, Lasers, Diodes, Optical communications 09331
Gases, Chromatography, Oil refining, Identification, Transformers 05855
Generators, Maintenance, Process control 06556
Gyroscopes, Accelerometers, Failure, Probability, Fault tolerance 00450
Heterojunctions, Aluminum gallium arsenide, Spectral analysis 04012
Horological instruments, Nondestructive testing, Leak detection, Watches 08577
Image processing, Redundancy, Convergence, Interpretation, Pattern recognition 05708
Induction motors, Modeling, Electric variables measurement, Rotors 04872
Industrial plants, Control systems, Precision engineering, State of the art 03408
Industry, Robots, Structural analysis, Mechanical handling 05187
Information retrieval, Storage, Micrographics, Office automation 07100
Instrumentation, Materials testing, Mirrors 03367
Integrated circuits, Design, Architecture, Signal processing 06050
Integrated circuits, Failure, Thermodynamics, Optimization 04513
Integrated circuits, Packaged components, Printed circuit boards, Soldering 06080
Integrated circuits, Printed circuit boards, Failure, Fault detection 02855
Lasers, Carbon dioxide, Production, Technology 05769
Lasers, Carbon dioxide, Research and development, Design 05747
Lasers, Tracers, Bioassays, Monitoring, Uranium 04051
Loading, Electric power generation, Statistical analysis, Energy resources 00080
Local area networks, Economics, Technological forecasting 08725
Local area networks, Workstations, File management, Failure, Dissertation 05391
Logic circuits, Error correcting codes, Boolean algebra, Modeling 02837
Machine tools, Tracing, Servomechanisms, Economics, Modeling 03762
Magnetic storage, Bubble memory, Modules, Random access memory 05857
Mainframes, Electric power transmission, Protection 07185
Materials testing, Density measurement, Transducers 09144
Mathematical models, Repair, Failure, Systems design, Inspection 03620
Matrices, Very large scale integration, Stability, Computer aided design 06042
Metallization, Nickel, Solar cells 05627
Metrology, Gauges, Calibration 08499
Metrology, Measurement errors 00244
Metrology, Precision engineering, Electric variables measurement 08844
Microcomputers, Cathode ray tubes, Sensors, Probes, Light pens 03955
Microcomputers, Debugging, Bus-board systems 05404
Microelectronics, Metal oxide semiconductors, Service life, CMOS 04423
Microelectronics, Packaged components, Seals, Thermal expansion 01274
Microelectronics, Systems design, Microcomputers, Performance 06004
Microprocessors, Computer aided control, Antennae, Tracking, Signal processing 01649
Military aircraft, Antennae, Radar 06951
Military aircraft, Flight control systems, Electric variables control 08579
Military aircraft, Weapons, Circuitry, Computer aided control 08590
Military engineering, Weapons, Service life, Guidance and control systems 00500
Millimeter waves, Telecommunications, Networks, Multiplexing 03057
Missiles, Guidance and control systems, Statistical analysis 05282
Modeling, Control, Power systems 03404
Monitoring, Nuclear reactors, Circuitry, Thermodynamics, Safety 04977
Motors, Electric variables control, Torque, Maintenance 06532
Motors, Repair, Energy conservation 08159
Motors, Valves, Nuclear power plants, Control systems, Circuitry 08144
Motors, Winding, Breakdown, Voltage, Power plants 08149
Nuclear power plants, Monitoring, Security, Technology, Thermodynamics 03309
Nuclear power plants, Safety, Bibliography 03731
Oxygen, Monitoring, Transducers, Flow of gases 09145
Packaged components, Integrated circuits, Thermal variables measurement 02806
Packet switching, Distributed systems, Communication networks, Routing 04643
Parallel processing, Computer graphics, Redundancy 08578
Parallel processing, Pattern recognition, Filtering, Image processing 03184
Partitioning, Systems design, Fault tolerance, Maintainability 06943
Passivation, Packaged components, Metal oxide semiconductors, Stability 01235
Performance, Electric power transmission, Networks, Electric power generation 08259
Petri nets, Systems analysis 02068
Physics, Conductance, Circuitry, Design, Technology 07632
Power plants, Control systems, Economics 03313

Reliability, (continued)
Power plants, Electric power generation, Fault detection 0495
Power plants, Industrial plants, Electric power distribution 0834
Power plants, Programmable controllers, Electric power generation, Relays 0496
Power plants, Turbogenerators, Automatic control, Online systems 0492
Power supply, Inverters, Harmonics, Drives, Commutation 0012
Power supply, Security, Monitoring, Online systems 0186
Power systems, Frequency, Approximations, Probability 0015
Power systems, Least squares estimation, Algorithms 0824
Power systems, Loading, Electric variables control, Simulation 0661
Power systems, Power supply, Industry, Planning 0836
Power systems, Power supply, Voltage, Design 0836
Power systems, Stability 0836
Preventive maintenance, Standby systems 0206
Probability, Electric power generation, Failure, Markov processes, Modeling 0340
Process control, Computer aided manufacturing, Electronic equipment 0200
Production control, Distribution, Tolerances, Floppy disks, Memory 0109
Production control, Nondestructive testing, Optics, Inspection 0569
Production control, Programmable controllers 0359
Programmable calculators, Navigation, Personal computers, Economics, Safety 0309
Protocols, Packet switching, Local area networks, Throughput 0466
Quality control, Manufacturing, Electronic equipment, Life cycle testing 0206
Quality control, Process control, Instrumentation, Hydrocarbon processing 0206
Radiation, Thermometers, Optics, Electronic equipment 0396
Radios, Inspection, Tolerance, Specifications 0290
Railway engineering, Communications, Control systems 0289
Read only memory, Fault tolerance, EPROM 0362
Repairable equipment, Duane models, Operational equipment, Failure 0206
Research and development, Microelectronics, Architecture, Signal processing 0762
Research and development, Missiles, Propulsion, Aerodynamics 0698
Rocket engines, Chemical variables measurement, Structural analysis, Failure 0526
Satellite communications, Antennae, Electronic equipment, Switching 0139
Satellite communications, Backup systems, Radios, Stability, Frequency 0941
Semiconductors, Thermal variables control, Failure, Ageing, Testing 0524
Semiconductors, Thyristors, Transistors, Integrated circuits 0590
Sensors, Carbon dioxide, Dissolved oxygen, Monitoring, Fermentation 0687
Sensors, Thermal variables measurement, Sensitivity 0342
Separators, Wastewater treatment, Productivity, Entropy, Testing 0849
Service life, Maintenance, Power plants, Generators, Rotors 0170
Service life, Stress, Failure 0694
Signal processing, Channels, Error, Antennae 0790
Signal processing, Radar, Scattering, Identification, Economics 0470
Signal transmission, Amplifiers, Modulation 0453
Signal transmission, Channels, Radios 0612
Signal transmission, Distortion, Microwaves, Atmospheric conditions 0957
Signal transmission, Error, Control systems, Robustness, Coding 0792
Silicon, Protection, Integrated circuits, Packaged components 0278
Simulation, Metal oxide semiconductors, Logic circuits, Fault tolerance 0920
Solar cells, Noise, Nondestructive testing 0114
Solar energy, Arrays, Storage, Probability, Design 0022
Soldering, Packaged components, Integrated circuits 0278
Space technology, Satellite communications, Antennae, Uplink coverage 0618
Spacecraft, Control systems 0859
Spacecraft, Displays, Control systems 0395
Standby systems, Failure, Switching, Redundancy, Probability 0855
Standby systems, Redundancy, Switching, Modeling, Numerical analysis 0854
Standby systems, Repair, Economics, Markov processes, Integral equations 0362
Standby systems, Switching, Failure, Distributions, Probability 0855
Stress, Failure, Research and development, Semiconductors 0754
Synchronization, Error, Signal processing, Probability, Integrated circuits 0959
Systems analysis, Power systems 0824
Systems analysis, Protection, Shut down logic, Failure, Numerical analysis 0694
Technological forecasting, Submarines, Fiber optics 0136
Telecommunications, Distributed processing, Monitoring, Realtime systems 0143
Telecommunications, Transmission, Switching, Japan 0941
Telemetry, Integrated circuits, Biology, Transducers 0619
Testing, Power systems, Convergence 0825
Thermal expansion, Invar alloys, Chips, Packaged components, Microelectronics 0766
Thermal variables measurement, Integrated circuits, Printed circuit boards 0280
Thermal variables measurement, Stress, Probes, Sensors 0838
Titanium, Thermal expansion, Stress, Elasticity 0694
Traffic, Networks, Control, Management 0877
Transducers, Impedance, Magnetic variables measurement, Instrumentation 0583
Transducers, Semiconductors, Silicon, Sensors 0583
Transformers, Design, Manufacturing, Economics, Service life 0491
Transformers, Insulators, Silicone, Thermal variables measurement 0917
Transformers, Switchgear, Coal, Electric power generation, Auxiliary systems 0013
Transistors, Metal oxide semiconductors, Memory, Deformation 0122
Transmission lines, Design, Failure, Probability, Loading 0581
Transmission lines, Design, Loading, Mechanical strength, Numerical analysis 0581
Transmission lines, Synchronization, Resonance 0581
Traveling wave tubes, Channels, Data transmission, Satellite communications 0552
United Kingdom, Telecommunications, Insulation displacement 0299
Utilities, Electric power distribution, Customer services, Economics 0500
Utilities, Electric power generation, Power failure, Modeling 0823
Utilities, Electric power generation, Security, Control systems 0186
Velocity measurement, Flux, Probes, Economics, Flow 0353
Weapons, Control systems, Logic, Multiprocessors, Research and development 0365
Weighting, Least squares estimation, Error, Data processing 0014
Welds, Nuclear power plants, Nondestructive testing 0180
Wind turbines, Generators, Modeling, Electric power generation, Energy 04891

Remote control,
Combustion, Turbines, Testing 0817
Microprocessors, Safety systems, Lighthouses 00864
Navigation, Underwater technology, Robots, Collision avoidance 08687
Optimal control, Stochastic processes, Linear systems, Probability, Vectors 08543

ote control, (continued)
ipbuilding, Design, Underwater technology, Oil exploration 05427
nderwater technology, Submersibles, Life support systems, Design 07047
hmanned vehicles, Data transmission, Underwater technology 07049
ote sensing,
erial photography, Agriculture, Microcomputers, Classification, Mapping 02235
erial photography, Color, Geography, Animal husbandry 02234
griculture, Soil science, Computer graphics 07036
rcraft, Military engineering, Microelectronics, Economics, Combat 00501
rcraft, Oil spills, Environmental monitoring, Photography 00534
mplitude, Turbulence, Spectral analysis, Wind, Modeling 08001
ntennae, Cameras, Radios, Image processing, Adaptive control 02906
rrays, Parallel processing, Image processing, Statistical analysis 03691
tmospheric conditions, Geography, Spectral analysis, Numerical analysis 02203
tmospheric conditions, Microwaves, Gamma radiation, Meteorology 00578
tmospheric conditions, Radar, Electrons, Current density 04711
tmospheric conditions, Satellite communications, Simulation, Pressure 02278
utocorrelation, Image processing, Mapping, Simulation, Statistical analysis 07024
anada, Land resources, Resource management, Monitoring 00544
artography, Mapping, Agriculture 05355
artography, Resource management, LANDSAT, Forest management 02175
ircuitry, Electrochemistry, Geodesy, Signal processing, Charge 02187
lassification, Image processing, Spectral analysis, Dissertation 05346
lassification, Information systems 07037
Combustion, Satellites, Radiometers, Offshore structures, Oceanography 03435
Computer graphics, Image processing, Pattern recognition 02178
Crop processing and storage, Infrared, Spectral analysis, Spectrophotometers 00547
Crop processing and storage, Microwaves, Thermal variables control 03240
Current meters, Electromagnetics, Kinematics 08650
Data collection, Geology, Minerals and ores, Iron, Mining 02223
Data collection, Meteorology, Natural disasters, Image processing, METEOSAT 08690
Data collection, Oceanography, Numerical analysis, Chlorophylls, Water color 00568
Displacement, Vibration, Interferometry, Fiber optics, Dissertation 00886
Drainage, Landsat, Hydrology, Geology 00545
Echosounders, Thermal variables measurement, Oceanography 08684
Fiber optics, Ships, Optical communications, Sensors, Standards 07708
Fishery sciences, Fishery oceanography, Fishery industry 08686
Floods, Rain, Pollution forecasting, Radar 03719
Forestry, Mapping, Image processing, Software development 02241
Forestry, Resource management, Satellite communications 02248
Fuzzy sets, Filtering, Pattern recognition, Petrochemical industry 03139
Gauges, Underwater technology, Human factors 08666
Geodesy, Minerals and ores, Polarization, Electrical conductivity 03219
Geography, Mapping, Education, United States 02184
Geology, Radar 09504
Geology, Thermal variables measurement, Surface properties, Simulation 02179
Geophysics, Soil science, Electric fields, Image processing 03696
Glass lasers, Radiation, Tuning, Atmospheric conditions 09032
Hydrodynamics, Oceanography, Thermal variables measurement, Radiometers 04713
Hydrology, Mathematical models, Image processing, Research and development 03687
Image processing, Agriculture, Simulation 02236
Image processing, Cartography, Geology, Oceanography 08652
Image processing, Feature extraction, Filtering, Classification, Performance 07025
Image processing, Filtering, Quality control, Stability 02251
Image processing, Geology, Mapping, Photography, Identification 05357
Image processing, Geology, Satellite communications, Canada 02201
Image processing, Geophysics, Sensors, Petrochemical industry 00531
Image processing, Mapping, Groundwater, Egypt 02209
Image processing, Mapping, Resource management, Florida 02243
Image processing, Mapping, Synthetic aperture radar, Resolution 05354
Image processing, Meteorology, Ocean-atmosphere system 08675
Image processing, Microprocessors, Parallel processing 03997
Image processing, Microwaves, Computed tomography 00047
Image processing, Raster displays, Microprocessors, Interactive systems 02202
Image processing, Satellite communications, Meteorology, Scattering 07026
Image processing, Satellite communications, Resource management, Radar 02258
Image processing, Stereoscopics, Satellites, Technological forecasting 00551
Image processing, Storage, Televisions, Data compression, Dissertation 06372
Image processing, Underwater technology, Navigation, Marine technology 08730
Imaging, Geology, Data collection, Spectral analysis, Dissertation 05348
Imaging, Quality control, Data collection, Landsat-4 05360
Information systems, Resource management, Geography, Alaska, Lakes 03689
Infrared, Oceanography, Thermal variables measurement, Hydrodynamics 03446
Infrared, Sensors, Thermal variables measurement, Instrumentation 09068
Inspection, Man machine interactions, Automatic control, Underwater technology 00623
Instrumentation, Information retrieval, Radiation, Electromagnetics 02186
Instrumentation, Wind, Estimation, Meteorology, Satellite communications 07060
Integrated circuits, Data transmission, Personal computers, Microprocessors 03157
Interferometry, Salinometers, Marine technology, Design 08681
Landsat, Atmosphere, Meteorology, Environmental monitoring 00542
Landsat, Cartography, Pennsylvania 02168
LANDSAT, Mapping, Pattern recognition, Scene analysis 02177
Lasers, Oceanography, Theoretical analysis, Monte Carlo method 07432
Lidar, Atmospheric conditions, Inversion, Light scattering 08660
Lidar, Environmental monitoring, Atmospheric conditions 05381
Lidar, Light scattering, Meteorology, Volcanoes, Aerosols 03725
Lidar, Monitoring, Environmental protection, Aerosols, Boundary layers 02171
Lidar, Optics, Aerosols, Troposphere, Dissertation 09512
Loop antennae, Electromagnetic waves, Scattering 03258
Mapping, Acoustic waves, Ice 05359
Mapping, Aerial photography, Ecology, Image processing, Shoreline erosion 02226
Mapping, Classification, Image processing, Satellite communications 02208
Mapping, Displays, Computer graphics, Image processing, Software development 02225
Mapping, Displays, Image processing, Radar, Aircraft 02895
Mapping, European Space Agency, Landsat-4 07033
Mapping, Geography, Structural analysis, Bands, Statistical analysis 03693

Remote sensing, (continued)
Mapping, Image processing, Calibration, Thematic mapping 07032
Mapping, Image processing, Environmental protection, Saudi Arabia 02214
Mapping, Image processing, Mathematical models, Arrays, Sensors 03686
Mapping, Image processing, Scotland 02222
Mapping, Irrigation, Infrared, Electrooptics, Scanning 03449
Mapping, Military engineering, Terrain analysis 02224
Mapping, Photogrammetry, Image processing, Greece 03685
Mapping, Soil science, Mineralogy, Thematic mapping 08647
Mapping, Sonar, Oceanography, Image processing 06304
Marine technology, Offshore structures, Conferences, Oceans '84 08665
Marine technology, Probes, Calibration 08679
Meteorology, Automation, Systems analysis 08692
Meteorology, Boundary layers, Statistical analysis, Monitoring 05375
Meteorology, Floods, Rain, Radar 03721
Meteorology, Microwave devices, Image processing 04828
Meteorology, Rain, Automation, Radar 03722
Meteorology, Rain, Geography, Image processing 03717
Meteorology, Rain, Radar 03720
Meteorology, Rain, Radar, Calibration 03724
Meteorology, Satellites, Image processing, Brazil 08693
Meteorology, Telecommunications, Photography, Radar 03718
Metrology, Vibration, Electric variables measurement, Antennae 08659
Microwave devices, Radiometers, Meteorology 08695
Microwaves, Meteorology, Atmospheric conditions, Thermal variables control 02180
Microwaves, Radar, Systems design, Data processing, Aircraft 01526
Microwaves, Radiometers, Resolution, Satellites 08403
Microwaves, Simulation, Agriculture 05350
Mining, Electric fields, Magnetic fields, Accidents 07077
Mixers, Microwaves, Millimeter waves, Antennae, Dissertation 08656
Modeling, Image processing, Noise, Radar 04718
Modeling, Meteorology, Wave propagation, Project engineering, Oceanography 02270
Monitoring, Acoustic transducers 01985
Monitoring, Developing countries 02173
Natural gas, Habitats, Environmental monitoring, Dissertation 02169
Navigation, Shipboard equipment, Radar 09503
Nuclear energy, Monitoring, Telemetry, Fiber optics, Prototyping 02925
Oceanography, Atmospheric conditions, Humidity, Air-water interface 08669
Oceanography, Radar, Image processing, Sea-ice types 06294
Oceanography, Radar, SEASAT, Surface wind measurement 07063
Oceanography, Salinity, Sea ice 08683
Oceanography, Satellites, Altimeters, Filtering 00561
Oceanography, Spectral analysis, Channels, Satellites, Reflectance 00565
Oceanography, Thermal variables measurement, Precision engineering 03706
Offshore structures, Pipes, Welding, Underwater technology, Automation 00445
Optics, Oceanography, Spectral analysis, Surface properties 07052
Optics, Reflection, Anisotropy, Angular measurement 08657
Optics, Space technology, State of the art 04339
Optics, Televisions, Gauges, Measurement, Strain 01382
Partitioning, Decomposition, Rings, Lattices, Functions 05353
Pattern recognition, Geophysics, Sea surface temperature 00532
Pattern recognition, Identification, Data collection, Tracking, Simulation 05364
Photography, Mapping, Solar energy, Sunlight site selection 02259
Plumes, Thermal variables measurement, Oceanography, Infrared, Scanners 03445
Pollution control, Soil science, Agriculture, Research programs 07021
Population dynamics, Estimation, Organization and methods, Census, Nigeria 03697
Probes, Precision engineering, Marine technology 08680
Radar, Image processing, Geology, Mapping, Structural analysis 07020
Radar, Image processing, Mapping, Spacecraft 02213
Radar, Image processing, Modulation, Wave propagation, Water depth 01525
Radar, Instrumentation, Data collection, Distribution, Standards 06284
Radar, Mapping, Hydrology, Meteorology, Snow cover 07022
Radar, Meteorology, Hail 03723
Radar, Rain, Meteorology 03716
Radar, Scatterometers, Image processing, Ocean circulation 08670
Radar, Venus, Topography, Spacecraft 02261
Radar, Wave spectra, Oceanography, SEASAT, SAR 09502
Radiation, Thermal variables measurement, Parameter estimation 05362
Radiometers, Image processing, Thermal variables measurement 03436
Radiometers, Infrared, Visible range, Topography, Reflectance 03437
Radiometers, Microwaves, Ocean-atmosphere system, Hurricane Allen 08649
Radiometers, Ocean-atmosphere system, Thermal variables measurement 08676
Radiometers, Oceanography, Thermal variables measurement, Meteorology, Error 03438
Radiometers, Thermal variables measurement, Geodesy, Mapping 03699
Radiometers, Topography, Balloons 05041
Random variables, Modeling, Mapping, Data bases 02247
Resource management, Data collection, Research and development 02196
Resource management, Economics, Planning, Decision making 02246
Resource management, Image processing, Meteorology, Satellite communications 02199
Resource management, Information processing, Technology transfer, Landsat 02183
Resource management, Mapping, Satellite communications, Information systems 02245
Resource management, Mapping, Saudi Arabia 02221
Resource management, Satellite communications, Data bases, Geography 02212
Resource management, Wildland classification, Ecology, Numerical analysis 02172
Robots, Inspection, Safety, Personnel, Data collection 05188
Satellite communications, Clustering, Classification, Geography, LANDSAT 1 00541
Satellite communications, Data collection, Monitoring 02242
Satellite communications, Image processing, Thermal variables measurement 02191
Satellite communications, Mapping, Topography, Data collection 02206
Satellite communications, Meteorology, Data transmission, Data collection 03727
Satellite communications, Microwave devices, Meteorology, Oceanography 00536
Satellite communications, Oceanography, Scanning, Optical devices 05368
Satellite communications, Performance, Algorithms, Image processing 07023
Satellite communications, Scanning, Inspection, Government agencies, Economics 02257
Satellite communications, Spectral analysis, Arrays, Sampling methods 02192
Satellite communications, Telemetry, Systems design, Technological forecasting 04598

Remote sensing, (continued)
- Satellite data, Statistical analysis, Maximum likelihood estimation 02182
- Satellites, Altimeters, Wave data, Sea level 08674
- Satellites, Color, Instrumentation, Calibration 03695
- Satellites, Data collection, Environmental monitoring 01407
- Satellites, Fiber optics, LANDSAT 07720
- Satellites, Fishery oceanography, Coastal zone, Water color 08688
- Satellites, Image processing, Meteorology, Radiation, Solar energy 00573
- Satellites, Image processing, Ocean surveying, Current data 08672
- Satellites, Image processing, Segmentation 08938
- Satellites, LANDSAT, Urban planning 08651
- Satellites, Legislation 07031
- Satellites, Mapping, Geography 07035
- Satellites, Oceanography, GEOSAT 07055
- Satellites, Scanning, Image processing, Astronomy 03980
- Satellites, Solar energy, Oscillation 00584
- Satellites, Thermal variables measurement, Meteorology, Calibration 03712
- Scanning, Mapping, Image processing, Transformations, Automation 02185
- Scanning, Spectral analysis, Spectroradiometers, Agriculture 08655
- Scatterometers, Forecasting, Wind stress, Ocean-atmosphere system 08678
- Scatterometers, Image processing, Wave spectra, Ocean circulation 08671
- Scatterometers, Ocean-atmosphere system 08673
- Sea state, Storms, Meteorology, SEASAT 08677
- Segmentation, Coding, Image processing, Conference 08936
- Seismology, Image processing, Pattern recognition 02181
- Signal processing, Signal to noise ratio 02911
- Signal to noise ratio, Image processing, Scanning, Landsat-4 08658
- Signal transmission, Thermometers, Acoustics 01880
- Soil science, Geology, Mapping, LANDSAT 07034
- Soil science, Receivers, Transmitters, Electrical resistivity 03698
- Sonar, Design, Performance 09519
- Sonar, Detection, Modeling, Acoustics 06308
- Spacecraft, Broadcasting, Satellite communications, Economics 06966
- Spacecraft, Image processing, Instrumentation, Performance 02210
- Spatial resolution, Image processing 00540
- Spectrophotometry, Couplers, Fiber optics 07722
- Statistical analysis, Modeling, Geophysics 02176
- Stress, Plants, Agriculture, Statistical analysis 00543
- Superconductors, Geomagnetism, Gradiometers 04151
- Surface properties, Microwaves, Backscattering 03220
- Technological forecasting, Meteorology, Satellites, Data collection 00564
- Technology transfer, Geography, Satellite communications, Photography 02197
- Thermistors, Current meters, Internal waves, Ocean circulation 08682
- Thermometers, Thermistors, Thermal variables measurement, Oceanography 03704
- Tide gauges, Automatic control, Microprocessors 08685
- Tomography, Diffraction, Electromagnetic waves, Seismology, X-rays 03701
- Topography, Mapping, Image processing 02230
- Topography, Mapping, Image processing, Satellite communications, Cameras 02220
- Tracking, Radar, Position control, Aerial bathymetry 04726
- Transborder data flow, Satellites 02174
- Underwater technology, Noise, Acoustic variables measurement, Surface wind 08668
- Urban planning, Thermal variables measurement, Computer aided analysis 03711
- Water color, Sensors, Calibration, Radiation, Measurement 07053
- Water pollution, Oil, Microwaves, Dielectric constants 03444
- Wavelengths, Salinity, Oceanography, Microwaves 02273
- Waves, Oceanography, Boundary layers 03707

Repair,
- Conductors, Transmission lines, Insulators, Cables 00132
- Mathematical models, Failure, Systems design, Reliability, Inspection 03620
- Numerical control, Cutting tools, Robots, Milling 02036
- Oscillation, Shafts, Hydroelectric power generation, Stiffness, Generators 01701
- Standby systems, Economics, Reliability, Markov processes, Integral equations 03621
- Standby systems, Maintenance, Laplace transforms, Failure, Theorem proving 03618
- Telecommunications, Artificial intelligence, Logic, Modems, Integrated systems 01462
- Telephones, Microfilm, Transmission lines 01474

Reproduction (copying),
- Business equipment, Cost benefit analysis 00834
- Computer graphics, Economics 05387
- Office automation, Raster displays, Lasers, Digitizing, Sequential scanning 02605
- Video systems, Magnetic tapes, Chromium dioxide, Heat treatment 05864

Research and development,
- Acoustics, Wave propagation, Sensors, Silicon dioxide, Lithium niobate 05121
- Adhesives, Robots, Automation, Design 06920
- Aerospace engineering, Telemetry, Communications 04584
- Agriculture, Soil science, Pollution control, Remote sensing 07021
- Air traffic control, Italy, Navigation 07856
- Aircraft, Electric power apparatus, Design 08588
- Aircraft engineering, Instrumentation, Technology, Software packages 05264
- Aircraft engines, Noise 02079
- Aircraft, Guidance and control systems, Displays, Technology, Simulation 05249
- Antennae, Signal processing, Frequency 06495
- Artificial intelligence, Assembling, Maintenance, Technology, Telepresence 05208
- Artificial intelligence, Electrooptics, Robots, Vision 08906
- Artificial intelligence, Robots 02051
- Artificial intelligence, Robots, State of the art 05196
- Artificial intelligence, Spectrometers, Triple quadrupole mass spectrometer 05079
- Artificial intelligence, Speech recognition 04674
- Artificial intelligence, Speech recognition 04678
- Artificial intelligence, Speech recognition 04680
- Artificial intelligence, Speech recognition, State of the art 04675
- Artificial intelligence, Technological forecasting, Robots 03586
- Artificial intelligence, Telepresence, Materials testing, Technology, Robots 05209
- Automation, Optics, Lithography, Electron beams 05778
- Automotive engineering, Microcomputers, Product development 02336
- Automotive industry, Technology, Materials testing 03604
- Banking, Personal computers, Online systems, Electronic funds transfer 07089

Research and development, (continued)
- Batteries, Electric vehicles, Energy storage components, Loading 049
- Biomedical engineering, Electronics, Biology 005
- Bipolar devices, Digital to analog converters, Delay, Velocity 072
- Broadcasting, Packet switching, Communication networks, Batch processing 014
- Capacitors, Charge, Fusion, Computer aided analysis 082
- Ceramics, Sensors, Gas thermosensors 043
- Circuit breakers, Automation, Data collection, Materials testing 001
- Circuitry, Computer aided design, Numerical analysis, Walsh series method 054
- Circuitry, Graph theory, Combinatorial mathematics, Japan 071
- Circuitry, Sensors, Channels, Metal oxide semiconductors 075
- Cogeneration, Power plants, Fuels, Coal, Design 066
- Communication networks, Computer aided control, Switches, Channels 079
- Communication networks, Integrated circuits, Microwave devices 076
- Communication networks, Private branch exchange, Office automation 070
- Communication networks, Speech transmission, Packet switching, Protocols 078
- Communication networks, Telephones, Impedance, Circuitry, Echo suppression 078
- Communication networks, Telephones, Mobile systems, Cells, Signal processing 013
- Communications, Data transmission, History 061
- Communications, Radios, Telephones, Business 093
- Communications, Sociology, Computer aided analysis, Data bases, Dissertation 046
- Communications, Teleconferencing 053
- Computer aided analysis, Local area networks, Fiber optics, RIPS-Net 093
- Computer aided manufacturing, Machine tools, Flexible manufacturing systems 051
- Computer aided manufacturing, Testing, Equipment, Automation, Circuitry 060
- Control systems, Distributed systems, Manufacturing, Process control 035
- Control systems, Induction motors, Dynamics, Performance 048
- Control systems, Machinery, Computer aided control, Energy conservation 051
- Economics, Technology, Speech recognition, Hewlett-Packard 070
- Eddy current, Computer programs, Information retrieval, Search strategies 034
- Eddy current, Computer programs, Performance 067
- Eddy current, Modeling, Uniqueness, Minimization 067
- Education, Curriculum development, Electric power generation 054
- Education, Robots, Programming languages, Radios, Design 069
- Electric power apparatus, Aircraft, Service life, Costs 085
- Electric power apparatus, Rotating bodies, Shafts, Vibration 033
- Electric power generation, Scheduling, Technology, Loading, Control systems 048
- Electric power generation, Synchronous machines, Superconductors 042
- Electric power transmission, Computer aided control, Transmission lines 049
- Electric power transmission, Reliability, Control systems, Performance, Failure 049
- Electric vehicles, Technology, Finance, Planning, Testing 054
- Electrodes, Neurophysiology, Electric variables measurement, Recording systems 053
- Electromagnetic fields, Mathematical models 032
- Electromagnetics, Antennae, Education 0647
- Electromagnetics, Radiation, Accelerators, Bremsstrahlung generators 0391
- Electron beams, Accelerators, State of the art, Electrocurtain® 0326
- Electronic mail, Japan 0943
- Energy conversion, Electric power generation, Resource management 0668
- Energy sources, Photovoltaics, Technological forecasting 0887
- Fabrication, Microelectronics, Architecture, Dissertation 0444
- Fabrication, Networks, Filters, Analog active networks 0712
- Fiber optics, Cables, Communications, Signal processing, Technology 0613
- Fiber optics, Data transmission, Telecommunications, Underwater technology 0614
- Fiber optics, Gyroscopes, Navigation 0774
- Fiber optics, Optical communications, Phase shift keying 0934
- Fiber optics, Sensors, Communication networks, Technology, Industry 0434
- Fiber optics, Technology, Manufacturing, Telecommunications, Australia 0614
- Field effect transistors, Power transistors, Silicon 0593
- Flowmeters, Design, Ultrasonics, Economics 0351
- Flowmeters, Pipelines, Turbines, Reliability, Economics 0353
- Gas lasers, Dentistry, Biomedical engineering, Therapeutics 0904
- Guidance and control systems, Accelerometers, Gyroscopes, Angular measurement 0364
- Helicopters, Rotors, Blades, Transonic flow 0353
- Holography, Optics, Image processing 0742
- Holography, Quality control, Production, Technology, Cameras 0403
- Hydroelectric power generation, Control systems, Storage, Pumps 06606
- Image processing, Optical communications, Fourier transforms, Scattering 0730
- Industry, Fiber optics, State of the art 0771
- Industry, Robots, Reliability, Structural analysis, Mechanical handling 0518
- Information processing, Optical communications, Noise, Parallel processing 0770
- Information science, Capacitors 00731
- Instrumentation, Automation, Technological forecasting 0340
- Integrated circuits, Logic circuits, Switching, Velocity 0602
- Integrated circuits, Military engineering, Weapons, Munition circuits 02081
- Integrated circuits, Prototyping, Simulation, Speech recognition, Architecture 0761
- Integrated circuits, Semiconductors 02697
- Integrated circuits, Testing, Microprocessors 0127
- Japan, Mechanical handling, Robots, State of the art 0517
- Large scale integration, Redundancy, Read only memory, Circuitry, Programming 0447
- Lasers, Carbon dioxide, Flow, Pulses 05767
- Lasers, Carbon dioxide, Reliability, Design 05747
- Lasers, France, Technological forecasting 00939
- Lasers, Fusion 04003
- Lasers, Gases, Industry, Quality control, Performance 05764
- Lasers, Industry, Laboratories, Combustion, Gases 05784
- Lasers, Materials testing, Pulses, Wavelengths, Beams 05748
- Lasers, Measurement, Carbon dioxide, Instrumentation 05781
- Lasers, Nuclear energy, Fusion, Current 02590
- Lasers, Photochemistry, Australia 05793
- Lasers, Sheet metalworking, Industry, Economics, Japan 04049
- Lasers, Technological forecasting, Europe 00913
- Lasers, Training, Personnel, Education, Industry 05789
- Lasers, United Kingdom 00914
- Launching facilities, Performance, Rocket engines, Propulsion 02104
- Liquid crystals, Birefringence, Photoelasticity, Instrumentation 00835
- Local area networks, Buses, Terminals, Access, Interfaces 00613

earch and development, (continued)
Local area networks, Fiber optics, Plastics, Attenuation, Testing 06152
Local area networks, Fiber optics, Waves, Technology, Protocols 02922
Local area networks, Systems design, IBM LAN 05401
Logic circuits, Optoelectronics 08907
Machine tools, Robots, Mechanical handling, Computer aided manufacturing 05181
Magnetic storage, Performance, Storage Technology Corp. 4670 tape subsystem 02680
Magnetic variables measurement, Flowmeters, Pipes, Probes, Economics 03493
Magnetic variables measurement, Mathematical models, Surface properties 06829
Magnetohydrodynamics, Steam-electric power generation 08353
Magnets, Superconductivity, Synchrotrons, Energy conservation 04155
Manufacturing, Robots, Aerospace industry, Drilling, Grinding 06915
Mechanical handling, Programmable controllers, Robots 06927
Memory, Optical storage, Lasers 05659
Meteorology, Snow, Measurement, Optics 03726
Microelectronics, Architecture, Signal processing, Reliability, Specifications 07621
Microelectronics, Integrated circuits, Electron beams 04497
Microelectronics, Very large scale integration, Circuitry, Technology 06010
Microwave devices, Radar, Missiles, Military engineering 03654
Military aircraft, Displays, Instrumentation, Technology 06953
Military aircraft, Fiber optics, Speech recognition 05255
Military aircraft, Sensors, Missiles, Nuclear energy, Weapons 05286
Military, Communications, Electromagnetics, Extremely low frequency 09307
Military engineering, Aircraft, Systems analysis, Technological forecasting 03655
Military engineering, Missiles, Sensors, Guidance and control systems 05284
Military engineering, Missiles, Technology, Economics, Government aid 08621
Military engineering, Technology, Missiles, ICBMs 06987
Military engineering, Weapons, Economics, Lasers, Energy 04039
Military, Resource management, Computer programs, Technology, Control systems 02118
Millimeter wave, Radar 09509
Millimeter waves, Microstrips, Indium phosphide, Passive components 04830
Mining, Safety, Energy storage components, Batteries 08295
Missiles, Guidance and control systems, Fiber optics, Simulation 06986
Missiles, Propulsion, Aerodynamics, Reliability, Guidance and control systems 06984
Motors, Electric vehicles, Propulsion, Energy consumption 03270
Motors, Transportation, Electrical engineering 06544
Networks, Signal processing, Speech transmission, Japan 09574
Networks, Switching 09441
Networks, Telecommunications, Fiber optics 07737
Nondestructive testing, Transducers, Piezoelectricity 09081
Nuclear energy, Electric power generation, Fusion 03343
Nuclear power plants, Safety, Utilities, Instrumentation, Technology 03345
Nuclear reactors, Neutrons, Converters, Calibration, Thermal variables control 06728
Nuclear reactors, Radiation dosimetry, Wastewater treatment 03432
Office automation, Data entry, Speech recognition, Technological forecasting 02287
Optical character recognition, Pattern recognition, Scanning, Input output 02575
Optical communications, Channels, Signal processing, Lasers, Modulation 07905
Optical communications, Image processing, Signal transmission, Modulation 07319
Optical properties, Coatings, Photovoltaics, Solar energy 06663
Oscillation, Linear systems, Numerical analysis 05529
Packaging, Electronic equipment, Composite materials, Thermal variables control 06072
Peoples Republic of China, Radiation, Dosimetry, Nuclear energy 03915
Photons, Detectors, Photomultipliers 03917
Photovoltaics, Modules, Design, Structural analysis 06980
Photovoltaics, Silicon, Amorphous materials, Bibliography 06670
Photovoltaics, Solar energy, Energy conversion 08873
Power systems, Military engineering, Space stations 02099
Private branch exchange, Speech transmission, Data transmission 07085
Problem solving, Teleconferencing, Performance, Psychology, Dissertation 06138
Programmable controllers, Signal processing, Hybrid systems, Technology 03607
Programmable controllers, Technology 03605
Programming languages, Magnetostatics, Problem solving, Algorithms, Conductors 07226
Propulsion, Fuel cells, Electrolytes, Materials testing 08316
Radar, Maintenance, Training, Computer aided control, Aircraft 06291
Radar, Tracking, Oil wells, Drilling, Mapping 06296
Radiation, Detectors 05154
Radio astronomy, Spectral analysis, Supernovae, Space exploration equipment 07069
Radio communications, Mutlipath propagation, Microwave devices, Technology 06108
Radioisotopes, Nuclear medicine, Cyclotrons, Radioactive materials 02137
Radiology, Medical electronics, Computed tomography 02571
Refrigeration, Cryogenics, Heat exchangers, Performance, Modeling 07444
Relays, Control systems 05830
Reliability, Economics, Technological forecasting 08725
Reluctance machines, Testing, Frequency, Velocity, Performance 06511
Robots, Arc welding, Hydraulic systems, Manipulators, Controllers 05186
Robots, Artificial intelligence, Industry, Government aid, Economics 03597
Robots, Artificial intelligence, Mechanical handling 08518
Robots, Artificial intelligence, Mechanical handling, Vision, Sensors 06908
Robots, Computer aided control, Programming languages, Mechanical handling 03599
Robots, Control systems, Dynamics 05214
Robots, Control systems, Mechanical handling, Sensors, Vision 05212
Robots, Industry, Vision, Sensors, Technology 05185
Robots, Manufacturing, Computer aided control, Pallets, Packaging 06916
Robots, Mechanical handling, Welding, Programming, Japan 02025
Robots, Planning, Technology, Artificial intelligence, Telepresence 05207
Robots, Technological forecasting, Government policies, Japan 08570
Robots, Vision, Image processing, Radar, Lasers 05215
Robots, Welding, Design, Manufacturing 06921
Rolling mills, Metals, Control systems, Automation, Thickness measurement 02063
Routing, Algorithms, Telephones, Switching 04644
Satellite communications, Broadcasting, Televisions, Channels 06188
Satellite communications, Broadcasting, Televisions, Government regulations 07798
Satellite communications, Electromagnetics, Technology, Economics 06187
Satellite communications, Japan 06978
Satellite communications, Meteorology, Remote sensing, Data transmission 03727
Satellite communications, Mobile systems, Marine engineering 06197

Research and development, (continued)
Satellite communications, Radar, Frequency, Radios, Control systems 06460
Satellite communications, Space technology, NASA 09417
Satellite communications, Terminals, Mobile systems, Access 04596
Satellites, Broadcasting, Televisions, Planning, Modeling 06171
Semiconductors, Integrated circuits, Fabrication, Electron beam lithography 05892
Semiconductors, Logic circuits, Gallium arsenide, MODFET 09223
Semiconductors, Stress, Failure, Reliability 07544
Sensors, Controllers, Monitoring, Bimorphs 09147
Sensors, Detectors, Infrared, Heat transfer, Buildings 03450
Sensors, Fiber optics, Interferometers 03949
Sensors, Instrumentation, Calibration, Inspection, Accelerometers 06864
Signal processing, Problem solving, Radios, Radar, Technology 07914
Silicon, Detection, Fabrication, Design, Electronic equipment 06887
Silicon, Solar cells, Photovoltaics, Energy conversion 01815
Simulation, Atmospheric conditions, Geophysics, Plasmas, Modeling 00577
Software development, Standards, Management 07080
Software packages, Satellite communications, Tracking, Performance, Prediction 07795
Solar energy, Concentrators 08340
Solar energy, Silicon, Production, Economics 03355
Space stations, Government programs, Italy 08594
Space stations, Technology, Ground support systems, Economics 06959
Space technology, Military engineering, Communication networks 06178
Space technology, Project engineering, Artificial intelligence 03638
Spacecraft, Ground support systems, Economics, Mariner Mark II 03640
Spacecraft, Packaging, Composite materials, Weight measurement 06071
Spacecraft, Remote sensing, Broadcasting, Satellite communications, Economics 06966
Speech transmission, Coding, Pattern recognition, Vector quantization 04685
Speech transmission, Electronic mail, Manufacturing, Marketing, Patent 03048
Speech transmission, Local area networks, Distributed systems, Control systems 07842
Superconductivity, Electric power generation, Temperature, Current density 00228
Superconductivity, Magnets, Japan 04165
Switching, Capacitors, Circuitry, Filters 08785
Systems design, Aircraft engineering, Weapons, Technology, Integrated systems 03656
Systems design, Control systems 02011
Systems design, Man machine interactions, Artificial intelligence 00431
Technological forecasting, Communications, Cable/broadband communications 04520
Technological forecasting, Japan, High-tech market 02461
Technology, Drives, Rolling mills 03281
Technology, Radiation, Infrared, Detectors, Thermal variables measurement 06736
Telecommunications, Canada, Technology, Economics, History 06103
Telecommunications, Data processing, Signal transmission, Telephones 07827
Telecommunications, Europe, Technology, History 06104
Telecommunications, Fiber optics, Data transmission 01359
Telecommunications, Fiber optics, Japan 02912
Telecommunications, Information processing, Technology, Planning, Europe 07082
Telecommunications, Japan 01435
Telecommunications, Technology, Information processing 03007
Telecommunications, Technology transfer, Economics, Government regulations 09431
Telecommunications, Videotex, Protocols, Standards, Publishing 06128
Telephones, Absent subscriber system 03067
Telephones, Online systems, Information services, Electronic mail, Videotex 06262
Televisions, Broadcasting, Nigeria, Disssertation 09402
Televisions, Compatibility, Resolution, Quality control 07777
Thermal variables measurement, Fiber optics, Fluoroptic™ Thermometry 06714
Thermodynamics, Storage, Electric power generation, Space heating 06674
Time measurement, Clocks, Displays, Computer aided control, Fabrication 05131
Torque, Induction motors, Pumps, Electric variables control, Velocity 04908
Transducers, Nondestructive testing 05814
Transformers, Oil, Laboratories, Measurement, Instrumentation 04920
Turbogenerators, Manufacturing, Metals, Superconductors 07454
United Kingdom, Artificial intelligence, Mechanical handling, Robots 05199
United Kingdom, Artificial intelligence, Speech recognition, LOGIS II 04679
United Kingdom, Artificial intelligence, Speech recognition 04681
United States, Energy, Federal government 03385
United States, Energy resources, Economics 03386
Velocimeters, Flight testing, Aircraft, Aerodynamics 00455
Video systems, Education, Consumer electronics 07712
Video systems, Teleconferencing, Productivity 07803
Videotex, Displays, Standards 02561
Videotex, Interactive systems, Communication networks, Terminals 01336
Videotex, Technological forecasting, Economics 04559
Videotex, Technology, France 09336
Vision, Focusing, Automatic control, POPEYE 05714
Water supply, Distribution, Control systems, Telemetry, Communications 04590
Waveguides, Filters, Fabrication 04311
Waveguides, Optical properties, Computer aided analysis 07735
Weapons, Control systems, Reliability, Logic, Multiprocessors 03653
Weapons, Laboratories, Detectors, Neutron diffraction, Scattering 05155

Resistance,
Amplifiers, Bridges, Thermal variables measurement, Detectors 08809
Capacitance, Frequency, Metal oxide semiconductors, Voltage 03822
Capacitance, Networks, Filters, Frequency 08764
CMOS, Bipolar transistors, Design, Optimization, Latching 09241
Contacts, Aluminum, Silicon, Doping, Annealing 03474
Control systems, Servomechanisms, Memory, Electric variables measurement 03573
Differential resistance, Field effect transistors, Heterojunctions 05075
Grounding, Computer aided analysis, Finite element method, Algorithms 04903
Grounding, Impedance, Current, Measurement errors 00096
Impedance, Measurement 00294
Junctions, Transistors, Frequency 01171
Metal oxide semiconductors, Transistors, Microelectronics, Breakdown 04429
Power supply, Energy storage components, Batteries, Solar cells 00210
Residual resistance, Insulators, Performance, Thermal variables measurement 06586
Sintering, Ohmic contacts, Silicon, Aluminum 00297

Resistivity,
Breakdown, Power supply, Voltage, Schottky diodes 01139
Calibration, Capacitance, Junctions, Solar cells 02521
Networks, Transistors, Tunneling, Diodes 02412
Reluctance machines, Rotors, Impedance, Saturation, Iron 01678
Structural analysis, Current voltage, Bipolar transistors 02728
Superconductivity, Logic circuits, Integrated circuits, Josephson junctions 04074
Superconductivity, Magnetic fields, Aluminum 01026
Transmission lines, Electrodeposition, Solar cells, Ohmic contacts 00782
Transmission lines, Grounding, Computer aided analysis 08274
Resistors,
Capacitors, Voltage, Superconductivity, Bridges 01019
Circuitry, Grids 07246
Circuitry, Inverters, Oscillation, Modeling 05484
Circuitry, Modeling, Terminals, Controllers 07160
Circuitry, Networks, Filters, Inductors, Capacitors 08797
Circuitry, Networks, Inductors, Capacitors 02415
Circuitry, Theoretical analysis 07170
Circuitry, Voltage, Inductors, Diodes, Simulation 07184
Compensation, Filters, Feedback, Amplifiers 07187
Control systems, Voltage, Oscillators, Integrated circuits 07207
Current voltage, Charge carriers, Structural analysis, Computer aided analysis 00725
Design, Frequency selection 05438
Fabrication, Potentiometric technique 05542
Films, Thermal variables measurement, Transport properties, Modeling 05569
Gauges, Integrated circuits, Stress strain relations, Adhesives, Dies 05039
Hall effect, Standards 08423
Impedance, Current, Bandpass filters, Configuration 00658
Induction motors, Voltage, Transformers 08160
Lasers, Cutting, Automation, Precision engineering 00726
Logic circuits, Design, Technology 04085
Metrology, Design, Performance, Fabrication 08851
Modeling, Decomposition, Capacitors, Diodes, Nonlinear circuit theory 07156
Oscillators, Signal processing, Coding, Metal oxide semiconductors, Strain 02629
Parallel networks, Switching, Electrical resistivity 07166
Photodevices, Field effect transistors, Switching, Electrooptics 01201
Polysilicon, Lasers, Crystallization, Pressure, Sensors 08850
Power transistors, Switching, Amplifiers, Parallel circuits 07197
Quartz, Performance 08504
Shunts, Superconductivity, Sensitivity analysis, Signal converters, Noise 04188
Structural analysis, Electric variables measurement, Dissertation 00724
Superconductivity, Tunnel junctions, Signal converters, Voltage 04172
Temperature, Voltage, Converters, Thermistors 08395
Thin films, Tantalum, Silicon carbide, Printers, Thermal variables measurement 03893
Transistors, Integrated circuits, Fabrication, Annealing 02751
Tunnel junctions, Integrated circuits, Superconductivity, Josephson junctions 04512
Voltage, Switches, Ignition, Circuit breakers 06590
Resists,
Doping, Photolithography, Integrated circuits, Etching 02535
Lithography, X-rays, Copper, Microelectronics 02545
Microlithography, Polymerization, Langmuir films 00830
Resolution, Integrated circuits, Fabrication 01277
Ultraviolet, Plasmas, Integrated circuits, Stability 02536
Resolution,
Amplitude, Gamma radiation, Detectors, Photomultipliers 05156
Cathode ray tubes, Displays, Yttrium aluminum garnet, Luminescence 00736
Fiber optics, Dispersion, Spectral analysis, Semiconductor lasers 09362
Fiber optics, Sights, Design, Military engineering 00809
Fourier transforms, Spectroscopy, Gases, Molecules 08434
Gain, Noise, Detectors, Scintillation 05159
Hodoscopes, Scintillators, Photomultipliers 05588
Image processing, Spectral analysis 08886
Imaging, Noise, Holography, Tomography 08484
Imaging, Nuclear medicine, Scintillation Cameras, Simulation 05300
Integrated circuits, Electrical resistivity, Fabrication 01277
Linearity, Photodiodes, Magnetic fields 05595
Nuclear reactors, Particle detectors, Neutrons, Diffraction, Diffractometers 01893
Optics, Encoders, Design, Research and development 06362
Pattern recognition, Telescopes, Turbulent flow, Atmospheric conditions 00026
Photodiodes, Scintillation, Detectors, Imaging 05599
Radar, Image processing, Noise 06293
Radar, Signal detection, Simulation 04720
Radiology, Image processing, Quality control 05304
Radiology, Signal to noise ratio, Positron emission tomography 05601
Radiometers, Remote sensing, Image processing, Geography 07035
Raster displays, Image processing, Quality control 03962
Remote sensing, Image processing, Mapping, Synthetic aperture radar 05354
Remote sensing, Microwaves, Radiometers, Satellites 08403
Scanning, Signal processing 08116
Signal detection, Noise, Spectral analysis 03820
Signal processing, Ultrasonics, Scanning 01564
Spectral analysis, Focusing, Raman spectroscopy, Dissertation 00308
Televisions, Technology, Compatibility, Quality control 07777
Time measurement, Photodevices, Electric fields 00764
Transducers, Ultrasonics, Image processing 01992
Ultraviolet Detectors, Satellites, Image processing 05056
Resonance,
Absorption, Acoustics, Underwater technology, Coatings, Viscoelasticity 00349
Absorption, Films, Energy conversion, Photovoltaic effect 02497
Acoustics, Frequency, Metal halides, Optical systems 04296
Acoustics, Vibration, Cross sectional measurement, Durometers 05099
Acoustics, Viscoelasticity, Wave propagation, Materials testing 01966
Acoustics, Waveguides, Frequency, Porosity, Cryogenics 08473
Altimeters, Oceanography, Satellite communications 00570
Amplifiers, Waveguides, Magnetic fields, Numerical analysis 08401
Atmospheric conditions, Electric fields, Frequency, Wave propagation 00582
Resonance, (continued)
Capacitance, Impedance, Frequency, Electrical var.ables measurement 0508
Current, Generators, Spectral analysis, Arcs 0883
Cyclotrons, Lasers, Far infared, Magnetic fields 0167
Cyclotrons, Magnetic fields, Radio frequency, Electromagnetic waves 0027
Cyclotrons, Masers, Magnetic fields, Wave propagation 0736
Cyclotrons, Spectrometers, Ions, Dissertation 0031
Damping, Excitation, Stepper motors 0816
Dielectricity, Ferromagnets, Microstrips, Antennae 0649
Dielectrics, Microwaves, Paper, Moisture measurement 0588
Dipoles, Conductivity, Atmospheric physics 0160
Doppler effect, Atmospheric conditions, Ultraviolet 0372
Electric power generation, Energy conversion, Inverters, Power systems 0337
Electromagnetics, Frequency, Programming languages, Difference equations 0645
Energy, Spectral analysis, Radio frequency, Aeronomy 0707
Far infrared, Lasers, Microwaves, Irradiation, Refractive indices 0734
Far infrared, Lasers, Pumping, Spectral analysis 0896
Far infrared, Methyl fluoride, Gas lasers, Design, Pumping 0739
Ferrites, Single crystals, Microwaves, Scattering 0646
Frequency, Dielectrics, Resonators 0106
Frequency, Lasers, Modulation, Differential equations 0735
Frequency, Microwaves, Dielectrics 0003
Frequency, Power systems, Electrostatics, Converters 0175
Frequency, Transducers, Gauges, Strain, Signal processing 0107
Frequency, Transmission lines, Numerical analysis 0660
Gamma radiation, Detectors, Spectral analysis, Electrons 0674
Gamma radiation, Magnetic fields, Spectral analysis 0678
Gyroscopes, Lasers, Millimeter waves 0093
Gyrotrons, Frequency, Tuning, Masers 0646
Lasers, Absorption, Magnetics, Dipoles, Iodine 0734
Lasers, Plasmas, Gyrotrons, Space charge 0848
Magnetic fields, Josephson junctions, Oscillation, Mathematical models 0423
Microstrips, Antennae, Frequency 0485
Moisture measurement, Radio frequency, Refractive indices, Infrared 0163
Numerical analysis, Subharmonic vibration, Parametric excitation 0196
Oscillation, Current voltage, Capacitors, Electric power generation 0170
Photodevices, Interference, Absorption, Energy conversion 0022
Polarization, Metals, Electromagnetic fields 0751
Power, Absorption, Medical electronics 0698
Pressure measurement, Pulse generation, Pipelines, Acoustics, Damping 0198
Radar, Image processing, Signal processing, Pattern recognition, Scattering 0630
Radio frequency, Cross sectional measurement, Waveguides, Electron beams 0004
Radio frequency, Tunnel junctions, Current, Josephson junctions 0423
Scattering, Dielectrics, Reflection, Radar 0152
Semiconductors, Plasmas, Magnetization, Millimeter waves, Wave propagation 0003
Signals, Ferromagnetics, Nuclear magnetic resonance 0189
Spectrometers, Magnetic fields, Field effect transistors, Phase shifts 0030
Theoretical analysis, Amplifiers, Magnetic fields, Electron beams 0840
Thyristors, Stress, Synchronous motors, Current voltage, Dissertation 0489
Transmission lines, Frequency, Mathematical models 0660
Transmission lines, Phase shifts, Circuit breakers, Current 0172
Transmission lines, Synchronization, Reliability, Newton's method 0581
Tunnel junctions, Superconductivity, Diodes, Nb-Nb_2O_5 0422
Vibration, Rotating bodies, Bearings, Oscillation 0196
Voltage, Harmonics, Power systems 0662
Waveguides, Cross sectional measurement, Electrodynamics, Numerical analysis 0642
Waveguides, Electromagnetic waves, Voltage, Cavities, Signal processing 0105
Waveguides, Nonlinear systems, Wave propagation, Numerical analysis 0911
X-rays, Lithography, Radiation, Spectral analysis 0506
Resonators,
Apertures, Diffraction, Mirrors, Lasers 0912
Carbon dioxide, Gas lasers, Modes, Oscillation, Refractive indices 0739
Cavities, Design, Gyrotrons, Gyroklystrons, Cycolotron frequency 0647
Cavities, Optics, Stability, Mathematical models 0647
Chemical variables measurement, Pollution control, Spectrometers, Microwaves 0193
Circuitry, Telephones, Fabrication 0625
Coaxial cables, Dielectrics, Impedance, Microelectronics 0005
Coupling, Filters, Microwaves 0323
Current density, Electromagnetic waves 0265
Delay, Equalizers, Cavities 0323
Design, Neodymium, YAG lasers, Emissions 0902
Dielectric constants, Electrical conductivity, Frequency 0432
Dielectrics, Bipolar transistors, Microwaves, Oscillation 0265
Dielectrics, Coatings 0435
Dielectrics, Design, Microwaves, Integrated circuits 0106
Dielectrics, Frequency, Numerical analysis 0807
Dielectrics, Frequency, Resonance 0106
Dielectrics, Gallium arsenide, Field effect transistors, Oscillators 0749
Dielectrics, Oscillators, Gallium arsenide, Field effect transistors 0265
Dielectrics, Permittivity 0808
Dielectrics, Permittivity, Measurement, Optimization 08078
Dielectrics, Permittivity, Millimeter waves, Thermal variables measurement 09128
Dielectrics, Stability, Metal oxide semiconductors, Field effect transistors 02441
Dielectrics, Waveguides, Couplers, Interferometers 05888
Dye lasers, Injection, Pumping, Wavelengths 09020
Electromagnetic fields, Numerical analysis, Langrangians 08444
Electromagnetic fields, Oscillation, Structural analysis, Radio frequency 06477
Electromagnetic waves, Rotating bodies, Thickness measurement, Leak detection 00364
Electrons, Lasers, X-rays, Bragg reflection 05734
Filters, Circuitry, Input output, Approximations, Coupling 00653
Filters, Excitation 03775
Frequency, Electromagnetics, Perturbation 08073
Frequency, Filters 01067
Frequency, Flow of gases, Dielectrics, Automatic testing 01098
Frequency, Radiation, Rotating bodies, Dielectrics 03242
Frequency, Vibration, Numerical analysis 09125

nators, (continued)
quency, Waveguides, Algebra, Approximations 09106
lasers, Injection, Tuning, Frequency 09010
lasers, Magnetic fields, Numerical analysis 07354
n oscillators, Couplers, Millimeter waves 04834
otrons, Oscillators, Electromagnetic fields, Charge, Modeling 06473
otrons, Oscillators, Harmonics, Millimeter waves 08091
ers, Magnetic fields, Electron beams, Oscillators 00936
ers, Optics, Bistability, Photons, Statistical analysis 03952
ers, Pumping, Fourier transforms, Optical analysis, Dissertation 09123
ers, Reflectivity, Logic circuits, Pulse generation, Switching 00905
sers, Lasers, Electron beams, Pulse generation 01066
rostrips, Electromagnetic fields, Numerical analysis 09126
rostrips, Spectral analysis, Capacitance 09124
rowave devices, Amplifiers, Receivers, Broadcasting 03850
rowave devices, Structural analysis, Frequency, Coupling, Filters 03243
rowaves, Barium titanate, Dielectrics, Ceramics 04832
rowaves, Charge carriers, Recombination, Semiconductors, Photoconductivity 03246
rowaves, Circuitry, Microstrips, Numerical analysis 08088
rowaves, Millimeter waves, Integrated circuits, Dielectrics 04325
de selection, Injection lasers, Cavities 08961
deling, Signal transmission, Parameter estimation, Mirrors, Lasers 05770
ltiplexing, Performance, Surface properties 01063
bium, Superconductivity, Electric fields, Design, Particle accelerators 04170
tics, Diffraction, Lasers 07422
tics, Refractive indices, Light scattering, Pulse generation 00015
cillation, Masers, Magnetic fields, Electrons 07361
ezoelectricity, Reflection, Frequency 01065
uartz, Frequency, Vibration, Pressure, Sensors 08425
uartz, Performance 08504
aman scattering, Gas lasers, Pumping 05766
uby lasers, Pulse generation, Switching, Circuitry 07372
emiconductor lasers, Optical properties, Reflection, Thresholds 04018
emiconductor lasers, Stability, Switching, Numerical analysis 00953
ilicon, Surface acoustic waves, Lasers, Annealing, Modes 07494
pectral analysis, Oscillation, Polarization, Dielectrics 04326
uperconductivity, Lead, Coatings, Polishing, Particle accelerators 04324
oltage, Frequency, Bandwidths 05829
ave propagation, Electromagnetics, Maxwell equations, Antennae 06472
aveguides, Dielectrics, Coupling, Theoretical analysis 07492
aveguides, Frequency, Loading, Numerical analysis, Dielectrics 03241
ource management,
ommunication networks, Customer services 05422
ommunication networks, Data collection, Terminals, Logic 06241
ommunication networks, Management, Technology, Office automation 01293
omputer graphics, Forestry 03684
ata collection, Economics, Satellite communications, Modeling 03692
ata transmission, Communication networks, Modems, Channels, Leased lines 01581
ata transmission, Flow, Government policies, Developing countries, Economics 04625
cology, Agriculture, Transducers, Leaf wetting, Measurement 05842
conomics, Power plants, Performance, Generators 04950
ducation, Computer aided instruction, Parallel processing 02282
lectric power distribution, Loading, Computer aided analysis, Planning 06688
lectric power generation, Legislation, Planning, Linear programming 03375
nergy conversion, Electric power generation, Coal gasification 06680
nvironmental protection, Computer graphics, Image processing, Mapping 02240
nvironmental protection, Image processing, Classification 02198
orestry, Classification, Satellite communications, Computer aided analysis 02248
uels, Mapping, Fires, Control systems, California 02207
ydroelectric power generation, Economics, Scheduling, Allocation, Optimization 06685
ydroelectric power generation, Power plants, Construction, Ecology, Economics 05024
lentification, Mapping, Classification, Spectral analysis, Scanning 05358
nage processing, Geology, Computer aided analysis, Satellite communications 02201
formation processing, Remote sensing, Technology transfer, Landsat 02183
formation retrieval, Semiconductors, Data bases 05891
lapping, Image processing, Remote sensing, Information systems 02245
lapping, Photogrammetry, Classification, Pattern recognition, Density 02255
lapping, Plotting, Computer aided analysis, Cartography, Data collection 02250
lapping, Remote sensing, LANDSAT, Forest management 02175
licroprogramming, Signal processing, Scheduling, Systems design, Modeling 06321
lilitary, Computer programs, Technology, Control systems 02118
lining, Coal, Mapping, Data bases, Computer aided analysis 02231
aster displays, Data structure, Mapping, Geography, Information systems 02216
emote sensing, Canada, Land resources, Monitoring 00544
emote sensing, Economics, Planning, Decision making, Satellite communications 02246
emote sensing, Image processing, Meteorology, Satellite communications 02199
emote sensing, Information systems, Geography, Alaska, Lakes 03689
emote sensing, Satellite communications, Data bases, Geography 02212
obots, Marketing, Finance, Industry, Manufacturing 05191
atellite communications, Data collection, Image processing 02196
atellite communications, Economics, Information services, Maintenance 07799
atellite communications, Image processing, Mapping, Computer aided analysis 02243
atellite communications, Image processing, Radar, Microwave devices 02258
audi Arabia, Mapping, Image processing, Satellite communications 02221
peech transmission, Data transmission, Integrated systems, Data bases 07828
Vildland classification, Ecology, Numerical analysis, Dissertation 02172
spiratory system,
lgorithms, Convergence, Noise, Modeling, Parameter estimation 07011
iomedical engineering, Random noise impedance, Parallel compartment models 02158
ensity, Toxicity, Diagnostics, Radiation, Computed tomography 02163
leasurement, Impedance, Error, Signal processing, Statistical analysis 07012
ledical electronics, Fluid mechanics, Flow measurement, Transducers 07013
ledical electronics, Impedance, Parameter estimation, Frequency 08641
ail Industry,
acsimile systems, Cost benefit analysis, State of the art, Zale Corp. 03033
Rhodium,
Plating, Connectors, Wear, Vibration 07233
Risk assessment,
Electric power transmission, Grounding, Transmission lines 01035
Health care, Video systems, Technology, Cardiovascular system 05311
Lightning, Buildings, Probability, Standards, Protection 03713
Meteorology, Computer aided control, Displays, Drilling, Ice 00586
Nuclear medicine, Measuring instruments, Radioimmunoassay, Hospitals 02123
Photovoltaics, Public health, Solar energy, Electric power generation 00221
Systems design, Electric power generation, Protection 00144
Temperature, Nuclear reactors, Safety systems, Heat recovery 03342
Robots,
Adhesives, Automation, Research and development, Design 06920
Adhesives, Seals, Control systems, Kinematics, Computer aided manufacturing 06917
Arc welding, Economics, Mechanical handling 03596
Arc welding, Hydraulic systems, Manipulators, Controllers 05186
Arc welding, Sensors, Control systems, Feedback 02021
Artificial intelligence, Assembling, Computer aided manufacturing 08530
Artificial intelligence, Automation, Problem solving, Logic, Expert systems 08536
Artificial intelligence, Automotive engineering, Production control, Jaguar 03601
Artificial intelligence, Automotive engineering, Production control, Saab 03602
Artificial intelligence, Controllers, Force, Signal processing, Approximations 00437
Artificial intelligence, Economics 05205
Artificial intelligence, Image processing, Fiber optics, Mechanical handling 09327
Artificial intelligence, Industry, Government aid, Research and development 03597
Artificial intelligence, Inspection, Assembling, Quality control 08535
Artificial intelligence, Inspection, Pattern recognition 00417
Artificial intelligence, Mechanical handling, Computer aided manufacturing 02060
Artificial intelligence, Mechanical handling, Control 05201
Artificial intelligence, Mechanical handling, Conveyors, Process plants 03581
Artificial intelligence, Mechanical handling, Research and development 08518
Artificial intelligence, Mechanical handling, Research and development 08519
Artificial intelligence, Mechanical handling, Technological forecasting 02050
Artificial intelligence, Mechanical handling, Vision, Sensors 06908
Artificial intelligence, Microcomputers, Software development 03592
Artificial intelligence, Sensors, Controllers, Fettling 00414
Artificial intelligence, Software development, Control systems, Decision schema 06929
Artificial intelligence, Software development, State of the art 05200
Artificial intelligence, Technological forecasting, Research and development 03586
Artificial intelligence, Telepresence, Materials testing, Technology 05209
Artificial intelligence, Televisions, Image processing, Data transmission 00430
Assembling, Automation, Production control 00400
Assembling, Machining centers, Controllers, Circuitry, Sensors 00429
Assembling, Mechanical handling, Flexible manufacturing systems 01276
Assembling, Production control, Automotive engineering, Saab 05206
Automotive engineering, Artificial intelligence, Production control, Alfa Romeo 03613
Automotive engineering, Assembling, Mechanical handling, Jaguar 08520
Automotive engineering, Assembling, Welding, Artificial intelligence 08521
Automotive engineering, Gear trains, Manufacturing, Assembling, Automation 05189
Automotive engineering, Mechanical handling, Drives, Hydraulic systems 03603
Automotive engineering, Purchasing, Mechanical handling 02029
Cameras, Computer aided control, Automation, Technology 03977
Capital investment, Flexible manufacturing systems, Aerospace engineering 08564
Chemical process industry, PCB compounds, Mechanical handling 02062
Collision avoidance, Navigation, Underwater technology 08687
Communication networks, Management, Architecture, Standards 02058
Computer aided control, Planning, Numerical analysis, Dynamics 06914
Computer aided control, Precision engineering, Measurement, Testing 06913
Computer aided control, Programming languages, Research and development 03599
Computer aided design, Simulation, Planning, Process development 06906
Computer aided manufacturing, Artificial intelligence, Mechanical handling 02043
Computer aided manufacturing, Economics, Productivity, Dissertation 08528
Computer aided manufacturing, Machine tools, Flexible manufacturing systems 05180
Computer aided manufacturing, Man machine interactions, Japan 08551
Computer aided manufacturing, Mechanical handling, Artificial intelligence 02042
Computer aided manufacturing, Production, Machinery, Automation 03617
Computer aided manufacturing, Valves, Production control, Systems design 05184
Control systems, Algorithms, Dynamics, Optimization, Dissertation 00422
Control systems, Asymptotic behavior, Manipulators, Modeling 03600
Control systems, Dynamics, Research and development 05214
Control systems, Man machine interactions, Training, Maintenance 05197
Control systems, Mechanical handling, Sensors, Vision, Research and development 05212
Control systems, Procedures, Systems design 03595
Control systems, Software development, Mechanical handling, Manipulators 02052
Control systems, Stability, Mechanical handling 08552
Control systems, Technological forecasting, Product development 03582
Controllers, Computer aided design, Software development 08557
Controllers, Position control 05211
Cost benefit analysis, Coatings, Zirconium oxide, Thermal insulation 00427
Design, Mechanical handling, Marketing, United Kingdom 02031
Design, Mechanical handling, Stair robots 08533
Diesel engines, Programming, Computer aided manufacturing, Productivity 02026
Distributed systems, Aircraft, Guidance and control systems, Expert systems 00441
Economics, Assembling, Mechanical handling, Production control 03594
Education, Programming languages, Radios, Design, Research and development 06912
Fasteners, Aircraft engineering, Wings, Charge coupled devices 05244
Feedback, Control systems, Tracking, Time varying systems, Trajectories 00390
Flexible manufacturing systems, Assembling, Design, Computer aided control 00406
Flexible manufacturing systems, Assembling, Design, Vision, Sensors 06919
Flexible manufacturing systems, Production control, Gears, Wheels 00395
Gas turbines, Grinding, Inspection, Measurement, Tolerance 05245
Holography, Optics, Image processing, Nondestructive testing 05775
Image processing, Flow, Cameras, Sensitivity analysis, Kinematics 05713
Image processing, Man machine interactions, Collision avoidance control 00420
Industrial plants, Automation, Control systems 06905
Industrial plants, Automation, Employment 08524

Robots, (continued)
Industrial plants, Production control, Japan 08522
Industry, Manufacturing, Automation, Numerical control 03882
Industry, Reliability, Structural analysis, Mechanical handling 05187
Industry, Safety systems, Accidents 03580
Industry, Safety systems, United Kingdom, Technology 03579
Industry, Vision, Sensors, Technology, Research and development 05185
Inspection, Nondestructive testing, Assembling 00419
Inspection, Nuclear reactors, Joints 02047
Inspection, Nuts and bolts, Rockets 08600
Inspection, Pattern recognition, Quality control 00408
Inspection, Production control, Assembling 05219
Inspection, Safety, Personnel, Remote sensing, Data collection 05188
Inspection, Vision, Microprocessors, Automotive engineering, Valves 08556
Japan, Research and development, Mechanical handling, State of the art 05173
Lasers, Scanning, Vision, Pattern recognition, Time-of-flight 02560
Lasers, Vision, Scanning, Modeling, Control systems 07430
Loading, Mechanical handling, Computer aided manufacturing 02027
Machine tools, Mechanical handling, Computer aided manufacturing, Technology 05181
Machine tools, Precision engineering, Synchronization, Circuitry 02038
Machining centers, Automation, Sensors, Controllers, Programming languages 00428
Machining, Programmable controllers 08567
Man machine interactions, Decision making, Control systems 02033
Manipulators, Control systems, Actuators, Servomechanisms, Numerical analysis 05213
Manipulators, Control systems, Numerical analysis 02054
Manipulators, Control systems, Robustness 06925
Manipulators, Controllers, Modeling, Optimization, Dissertation 03610
Manipulators, Kinematics, Mechanical handling, Numerical analysis 08569
Manipulators, Modeling, Kinematics, Transformations, Laboratories 08572
Manipulators, Optimal control, Modeling 05179
Manipulators, Production, Quality control, Control systems, Dissertation 06910
Manufacturing, Aerospace industry, Drilling, Grinding, Research and development 06915
Manufacturing Automation, Labor relations 05210
Manufacturing, Automotive industry, Technology 00424
Manufacturing, Computer aided control, Pallets, Packaging 06916
Manufacturing, Economics, Europe 06907
Manufacturing, Mechanical handling, Welding, Research and development, Italy 02032
Manufacturing, Productivity, Automation, Economics, Taiwan 02030
Manufacturing, Welding, Numerical control, Machinery, Loading 06918
Marketing, Finance, Industry, Resource management, Manufacturing 05191
Mechanical handling, Agriculture, State of the art 02328
Mechanical handling, Aircraft engineering, Composite materials, Assembling 05183
Mechanical handling, Arc welding 02046
Mechanical handling, Arc welding, Computer aided control 03609
Mechanical handling, Assembling, Automotive engineering, GM 06928
Mechanical handling, Assembling, Computer aided manufacturing 02039
Mechanical handling, Assembling, Production control 03590
Mechanical handling, Assembling, Production control, Artificial intelligence 00415
Mechanical handling, Assembling, Production control, Hitachi 03589
Mechanical handling, Automotive industry, Assembling, Computer aided control 08546
Mechanical handling, Computer aided control, Kinematics, Pneumatic systems 05198
Mechanical handling, Computer aided manufacturing, Software 00421
Mechanical handling, Computer aided manufacturing, Valves, Control systems 08553
Mechanical handling, Control systems, Algorithms, Precision engineering 00433
Mechanical handling, Control systems, Microprocessors, Intel 8086 08565
Mechanical handling, Conveyors, Sensors, Cameras, Vision 02034
Mechanical handling, Diesel engines, Cleaning 02044
Mechanical handling, Electroplating, Semiconductors 01111
Mechanical handling, Flexible manufacturing systems, Automotive industry 03591
Mechanical handling, Forming processes, Molding 08531
Mechanical handling, Hazardous materials handling, Safety, Technology 04986
Mechanical handling, Kinematics, Software development, Simulation 00394
Mechanical handling, Machine tools, Retrofitting, Production, Technology 05182
Mechanical handling, Manipulators, Energy consumption 08523
Mechanical handling, Occupational health, Welding, Cutting 02045
Mechanical handling, Performance, Mathematical models, Arm movement 02022
Mechanical handling, Position control 08527
Mechanical handling, Position control, Laser machining 06923
Mechanical handling, Resistance welding, Electric variables control 08568
Mechanical handling, Surface properties, Artificial intelligence 03587
Mechanical handling, Testing, Quality control, Pharmaceutical industry 08540
Mechanical handling, Vibration control, Absorption 02049
Mechanical handling, Vision, Sensors 08279
Mechanical handling, Welding, Programming, Research and development, Japan 02025
Mechanical handling, Welding, Vision, Space shuttle 08601
Microprocessors, Signal processing, Texas Instruments TMS 320 04758
Military engineering, Management, Technology, Research and development 08525
Milling, Cutting tools, Numerical control, Repair 02036
Modeling, Velocity control, Kinematics 03611
Navigation, Underwater technology, Marine engineering 08539
Navigation, Underwater technology, Position control 08538
Nuclear power plants, Radioactive materials handling 05204
Pattern recognition, Vision 00407
Planning, Technology, Artificial intelligence, Telepresence 05207
Position control, Manipulators, Kinematics, Dynamics, Dissertation 03608
Position control, Simulation 06924
Production control, Welding, Injection molding, Painting 08532
Production, Quality control, Assembling, Optics, Inspection 06942
Productivity, Quality control, Safety, Occupational health, Economics 02023
Programmable controllers, Mechanical handling, Artificial intelligence 06922
Programmable controllers, Mechanical handling, Research and development 06927
Programming, Computer aided control, Flow, Systems development, Modeling 00438
Programming languages, Artificial intelligence, Computer aided control 00432
Programming languages, Storage, Data structure, Graphs, Information retrieval 08571
Research and development, Artificial intelligence 02051
Research and development, Artificial intelligence, State of the art 05196

Robots, (continued)
Research and development, Mechanical handling, United Kingdom 051
Research and development, Technological forecasting, Government policies, Japan 085
Research and development, Vision, Electrooptics 089
Sensors, Artificial intelligence, Automatic control, Assembling 004
Sensors, Construction Machinery 004
Sensors, Embedding, Magnetization, Reliability 052
Sensors, Surface properties, Transducers, Optics, Assembling 075
Sensors, Technology, Assembling, Research and development 069
Sensors, Vision 020
Sensors, Vision, Mechanical handling, Automation, Guidance and control systems 004
Simulation, Computer aided design, Computer graphics 085
Simulation, Programming languages, Computer graphics, Personal computers 051
Sociology, Economics, Library science, Data bases, Information retrieval 035
Software development, Computer aided design, GRASP 085
Software development, Hydraulic control equipment, Vision 020
Space technology, Mechanical handling, Artificial intelligence, Automation 020
Space technology, Project engineering, Artificial intelligence 036
Specifications, Arc welding, Assembling, Japan 051
Steel, Computer aided manufacturing, Assembling, Mechanical handling 051
Structural parts, Components, Technology 036
Technology, Production control, Flexible manufacturing systems 069
Vision, Computer aided control, Image processing, Microcomputers 036
Vision, Image processing, Cameras, Lasers, Calibration 074
Vision, Image processing, Nondestructive testing 085
Vision, Image processing, Pattern recognition 057
Vision, Image processing, Radar, Lasers, Research and development 052
Vision, Image processing, Segmentation, Systems design, Dissertation 035
Vision, Image processing, Systems design 004
Vision, Inspection, Assembling, Structural analysis, Programming languages 025
Vision, Inspection, Computer aided control, Adaptive control 035
Vision, Inspection, Nondestructive testing, Quality control 004
Vision, Microprocessors, Inspection, Semiconductors, Software development 076
Vision, Pattern recognition, Systems design 004
Vision, Sensors, Semiconductors, Optics, Materials testing 069
Vision, Textile industry, Economics 004
Welding, Artificial intelligence, Mechanical handling 035
Welding, Manipulators, Computer aided control, Displays, Mechanical handling 085
Welding, Process development, Mechanical handling 020
Welding, Research and development, Design, Manufacturing 069
Welding, Sensors, Pattern recognition, Digitizing, Nondestructive testing 020
Welding, Technological forecasting, Industry, United Kingdom 035
Wire processing, Computer aided manufacturing, Automation, Testing 004
Work holders, Mechanical handling, Computer aided control 004
Work holders, Sensors, Tubes, Precision engineering, Force 004

Rocket engines,
Chemical variables measurement, Structural analysis, Reliability, Failure 052
Ion engines, Propellants, Argon, Thrust measurement 032
Propellants, Oscillation, Pressure measurement, Computer aided analysis 085
Propulsion, Launching facilities, Performance 021
Propulsion, Ramjets, Electromagnetic fields, Acceleration 021
Supersonic flow, Exhaust gases, Design, Nozzles 052
Time measurement, Pressure measurement, Transducers, Missiles 004

Rockets,
Ballistics, Propellants, Flames, Modeling 0364
Lasers, Propulsion, Thrust 0364
Nuts and bolts, Inspection, Robots 086
Propellants, Spacecraft, Aluminum oxide, Modeling, Flow 0364
Space technology, Communications, Position control, Simulation 0364
Thermal variables control, Switches, Automatic control 020

Romania,
Electric power transmission, Power plants, Technology 0657

Rotating bodies,
Automotive engineering, Diesel engines, Computer aided control, Microcomputers 023
Commutation, Integrated circuits, Voltage, Choppers, Induction machines 0327
Compressors, Mufflers, Refrigerators, Noise abatement 047
Electric power apparatus, Shafts, Vibration 033
Electromagnetic waves, Reconstruction, Computed tomography, Ultrasonics 0684
Electromagnetic waves, Waveguides, Cross sectional measurement, Energy bands 0106
Gyroscopes, Sensors, Interferometers, Fiber optics. Dissertation 0454
Heat transfer, Magnetohydrodynamics, Thermal variables measurement 0178
Machinery, Monitoring, Fault diagnosis, Automatic control 0045
Magnetohydrodynamics, Incompressible flow, Hydrodynamics 0015
Magnetohydrodynamics, Incompressible flow, Viscous flow, Velocity 0179
Minicomputers, Thermal variables measurement, Current voltage 0428
Perturbation, Coil winding machines, Saturation, Inductance 0168
Polarization, Wires, Antennae, Transmission 0647
Resonators, Frequency, Radiation, Dielectrics 0324
Rotors, Cylinders, Flux, Saturation, Numerical analysis 0651
Tachometers, Fiber optics, Velocity 0254
Telemetry, Fans, Rotors, Vibration, Compressors, Turbines 0458
Vacuum technology, Current, Wear, Copper, Silver 0037
Velocity, Reflectors, Solar energy, Power plants 0021
Wave propagation, Electromagnetic fields, Modulation 0166

Rotation,
Eye, Measurement, Theoretical analysis, Biomedical electronics 0864

Rotors,
Acoustics, Circulation, Control systems, Noise, Wind tunnels 0510
Blades, Helicopters, Transonic flow 0353
Circuitry, Induction motors 0328
Circuitry, Mathematical models, Machinery, Harmonics 0006
Cylinders, Flux, Saturation, Rotating bodies, Numerical analysis 0651
Distributions, Fluxes, Density, Induction motors, Computer aided analysis 0168
Eddy current, Turbogenerators, Reliability, Economics, Surface properties 0816
Electromagnetics, Current, Finite element method, Numerical analysis 0654
Electromagnetics, Induction motors, Finite element method, Current voltage 0651

ors, (continued)
citation, Finite element method, Coil winding machines ... 01680
enerators, Power plants, Maintenance, Reliability, Service life ... 01700
elicopters, Loading, Computer aided control, Feedback, Damping ... 03625
duction motors, Drives, Velocity control ... 03277
duction motors, Modeling, Electric variables measurement, Numerical analysis ... 04872
duction motors, Modeling, Generators, Magnetic variables measurement ... 04871
achinery, Modeling, Synchronization, Torque, Harmonics ... 00067
achinery, Synchronization, Harmonics, Dynamics, Numerical analysis ... 00066
agnetic fields, Simulation, Distributions, Integral equations, Synchronization ... 06516
agnetic fields, Turbines, Generators, Loading, Finite element method ... 06826
athematical models, Generators, Frequency, Circuitry, Numerical analysis ... 06510
athematical models, Spacecraft, Stability, Magnetic variables control ... 06949
athematical models, Turbogenerators, Eddy current ... 03290
odeling, Aerodynamics, Darrieus rotors ... 03268
otors, Conductors, Metals, Numerical analysis, Testing ... 07228
otors, Energy recovery, Drives, Control systems, Electric variables control ... 06526
otors, Torque, Loading, Circuitry, Performance ... 04879
eluctance machines, Resistivity, Impedance, Density ... 01678
otating bodies, Telemetry, Fans, Vibration, Compressors, Turbines ... 04588
creening, Resonance, Alternators, Superconductors ... 03293
hafts, Turbines, Hydroelectric power generation ... 00083
tators, Generators, Hydroelectric power generation, Contacts ... 01712
uperconductivity, Cryogenics, Electric power generation, Alternators ... 04252
uperconductors, Generators, Winding, Strain, Thermal variables measurement ... 08364
ynchronous motors, Microprocessors, Signal processing, Velocity, Noise ... 00079
urbines, Design, Magnetics, Hydroelectric power generation ... 08165
Vind turbines, Surface properties, Blades, Flow, Boundary layers ... 04864
Vinding, Flow of gases, Calibration, Modeling, Thermal variables measurement ... 08134
uting,
ccess, Radio communications, Communication networks, Simulation ... 01309
ircraft, Data transmission, Channels, Multiplexing, Data compression ... 04657
lgorithms, Flow, Packet switching, Communication networks, Problem solving ... 04517
lgorithms, Research and development, Telephones, Switching ... 04644
Channels, Arithmetic circuits, Dissertation ... 02799
Channels, Integrated circuits, Wire routing ... 02844
Channels, Microelectronics, Wire routing ... 02813
Circuitry, End-to-end blocking ... 07177
Circuitry, Microelectronics ... 02842
Circuitry, Topology, Modeling, Research and development, Dissertation ... 02840
Communication networks, Algorithms, Control systems, Topology, Microcomputers ... 02985
Communication networks, Design, Multiplexing, Packet switching, Circuitry ... 06255
Communication networks, Integrated systems, Signal transmission, Performance ... 04663
Communication networks, Packet switching, Transmission, MININET ... 04784
Communication networks, Parallel processing, Graphs, Algorithms, Optimization ... 02300
Computer aided design, Integrated circuits, Systems design ... 09271
Computer aided design, Integrated circuits, Wire routing ... 02810
Design, Integrated circuits, Wire routing ... 02811
ntegrated circuits, Computer aided design, Graphs, Algorithms, Dissertation ... 06043
ntegrated circuits, Computer aided design, Wire routing ... 02814
ntegrated circuits, Computer aided design, Wire routing ... 02845
ntegrated circuits, Decomposition, Design, Hierarchies, Dissertation ... 06017
Local area networks, Fiber optics, Speech transmission, Protocols, Robustness ... 09343
Logic circuits, Fabrication, Computer aided design ... 06034
Microelectronics, Channels, Computer aided design, DEC VAX 11/780 ... 07647
Microelectronics, Integrated circuits, Computer aided design, Wire routing ... 02812
Microelectronics, Logic circuits ... 02843
Microelectronics, Logic circuits ... 05998
Microelectronics, Printed circuit boards, Wiring ... 01243
Office automation, Data transmission, Information retrieval, Microcomputers ... 01401
Packet switching, Circuitry, Local area networks, Integrated systems ... 02992
Packet switching, Distributed systems, Communication networks, Reliability ... 04643
Packet switching, Networks, Trees ... 07838
Parallel processing, Networks, Machine machine interactions, Control systems ... 05385
Printed circuit boards, Computer aided design, Computer graphics ... 07626
Protocols, Communication networks, Traffic, Optimal control ... 04620
Queueing theory, Networks, Packet switching, Radio communications ... 04538
Simulation, Networks, Traffic, Circuit switched networks ... 06268
Telecommunications, Broadcasting, Transmission lines, Channels, Modeling ... 06173
Telecommunications, Circuitry, Modules, Traffic, Economics ... 04619
Telephones, Systems design, Economics, Decision making ... 04656
Telephones, Traffic ... 04646
Transportation, Networks, Planning, Data bases, United Kingdom ... 00628
Wiring, Integrated circuits, Computer aided design ... 02809
Wiring, Integrated circuits, Printed circuit boards ... 02808
bber,
Composite materials, Insulators, Transmission lines ... 00134
nsulators, Protection, Electric fields, Transmission lines ... 00112
Materials testing, Thermal variables measurement, Service life, Batteries ... 00187
Surface properties, Crack propagation, Insulators, Failure ... 04921
bidium,
Atoms, Pumping, Optics, Photodevices ... 07420
by lasers,
Emissions, Kinetics, Coupling, Numerical analysis ... 08998
Holography, Aerospace test facilities, Aerodynamics, Flow ... 05782
nterferometers, Plasmas, Refraction, Electron density ... 00945
rradiation, Helium, Breakdown ... 07403
Pulse generation, Resonators, Switching, Circuitry ... 07372
Pulse generation, Synchronization, Plasmas ... 07213
therford backscattering,
ons, Scattering, Ionic conduction, Ceramics ... 06722

fety,
Aircraft, Technology, Microcomputers, Electronic equipment, Interference ... 07090

Safety, (continued)
Charge, Transmission lines, Magnetic fields, Electric fields ... 01741
Electric power distribution, Cogeneration, Energy sources, Reliability ... 04909
Environmental protection, Radar, Tracking, Radiation, Impact analysis ... 01533
Fiber optics, Data communications, Local area networks, Noise, Economics ... 04553
Gases, Thermodynamics, Fluid mechanics, Valves, Numerical analysis ... 00360
Instrumentation, Protection, Control systems, Alarm systems ... 08711
Lifts, Acoustic emissions, Nondestructive testing, Inspection ... 05114
Maintenance, Electric power apparatus, Quality control ... 00229
Marine engineering, Satellite communications, Protocols, Electronic equipment ... 06115
Mining, Energy storage components, Batteries ... 08295
Nuclear power plants, Reliability, Bibliography ... 03731
Nuclear power plants, Utilities, Instrumentation, Technology ... 03345
Nuclear reactors, Circuitry, Thermodynamics, Reliability, Monitoring ... 04977
Occupational exposure, Bangladesh, Radiology, Fluorescence ... 02135
Occupational health, Robots, Mechanical handling, Welding, Cutting ... 02045
Process control, Signal processing, Electric power generation, Telemetry ... 04603
Programmable calculators, Navigation, Personal computers, Economics ... 03092
Quenching, Thermal variables measurement, Magnets, Superconductivity ... 04132
Railway engineering, Communications, Control systems ... 02898
Robots, Inspection, Personnel, Remote sensing, Data collection ... 05188
Robots, Mechanical handling, Hazardous materials handling, Technology ... 04986
Robots, Productivity, Quality control, Occupational health, Economics ... 02023
Solenoids, Superconductors, Quenching, Cryogenics ... 04054
Standards, Spraying, Electrostatics ... 01944
Superconductors, Cryogenics, Stability, Computer aided analysis ... 04139
Switchgear, Design, Voltage ... 08191
Telephones, Cables, Flames, Materials testing, Environmental protection ... 09453
Safety systems,
Aircraft engineering, Economics, Altitude, Government regulations ... 06946
Antennae, Gauges, Ships, Structural analysis, Communications ... 04728
Automation, Locks, Electronic equipment ... 03730
Breakdown, Voltage, Energy storage components, Superconductivity, Magnets ... 04149
Computer aided design, Electric power generation, Transmission lines ... 04925
Current, Conductors, Computer aided analysis, Transmission lines ... 00114
Electric power generation, Voltage ... 04927
Fires, Voltage, Hospitals ... 07078
Heat recovery, Risk assessment, Temperature, Nuclear reactors ... 03342
Industry, Robots, Accidents ... 03580
Industry, Robots, United Kingdom, Technology ... 03579
Lighthouses, Microprocessors, Remote control ... 00864
Marine engineering, Navigation, Harbor installations, Automation ... 00620
Marine engineering, Navigation, Standards, Government regulations ... 04698
Microprocessors, Ships, Telecommunications, Satellites ... 01409
Missiles, Batteries, Aerospace test facilities, Standards ... 01794
Nuclear power plants, Environmental monitoring, Automation ... 05384
Offshore structures, Optics, Illumination, Standards ... 02525
Optical analysis, Spacecraft, Contamination, Monitoring measurements ... 02070
Radar, Accidents, Air traffic control, Aircraft ... 06947
Semiconductors, Diodes, Protective circuits, Circuit breakers, Switches ... 04381
Standards, Aircraft, Flight control systems, Computer aided control ... 00478
Systems design, Navigation, Ships ... 04699
Salinometers,
Oceanography, Salts, Conductivity, Fluidics ... 02272
Salts,
Lasers, Far infrared, Energy bands, Spectral analysis, Phase transitions ... 02584
Lithium, Electrochemistry, Electrodes ... 00185
Oceanography, Salinometers, Conductivity, Fluidics ... 02272
Signal processing, Strain, Gauges, Transducers ... 01075
Samarium,
Alloys, Cobalt, Magnetization, Heat treatment, Kerr effect ... 05853
Satellite communications,
Access, Channels, Performance, Packet switching, Dissertation ... 06195
Access, Packet switching, Throughput ... 03162
Aerospace engineering, Production, Economics, Data transmission ... 05260
Aerospace engineering, Spacecraft, Software packages, Fiber optics ... 07709
Agriculture, Image processing, Tracking, Computer programs, Simulation ... 02236
Agriculture, Tracking, Image processing, Scanning, Angular measurement ... 02227
Altimeters, Oceanography, Resonance ... 00570
Amplifiers, Broadcasting, Receivers, Field effect transistors, Noise ... 03851
Amplifiers, Circulators, Circuitry ... 02434
Amplifiers, Data transmission, Channels, Traveling wave tubes, Reliability ... 05525
Amplifiers, Signal reception, Noise ... 05518
Antennae, Electronic equipment, Switching, Control systems, Reliability ... 01398
Antennae, Signal processing, Frequency ... 06185
Antennae, Tracking, Position control ... 03255
Atmospheric conditions, Remote sensing, Simulation, Pressure, Measurement ... 02278
Backup systems, Radios, Reliability, Stability, Frequency ... 09414
Ballistics, Missiles, Radar, Detection, USSR ... 03104
Bandwidths, Allocation, Adaptive control, Antennae, Fading ... 07789
Broadcasting, Economics, State of the art ... 07784
Broadcasting, Interference, Precipitation, Control systems, Loops ... 02980
Broadcasting, Linkages, Attenuation, Interference, Up-link power control ... 03039
Broadcasting, Noise, Signal processing, Receivers, Antennae ... 07802
Broadcasting, Radios, Performance, Japan ... 02083
Broadcasting, Signal processing, Receivers, Modulation, Televisions ... 01381
Broadcasting, Signal processing, Televisions, Antennae, Economics ... 07787
Broadcasting, Signal reception ... 07775
Broadcasting, Signal transmission, Marketing, Technological forecasting ... 03633
Broadcasting, Spacecraft, Attitude control, Japan ... 02975
Broadcasting, Televisions, Channels, Government regulations ... 06188
Broadcasting, Televisions, Frequency, Modulation, Signal processing ... 02976
Broadcasting, Televisions, Government regulations, Control, Signal transmission ... 07797
Broadcasting, Televisions, Government regulations, Technology ... 07798
Business forecasting, Capital investment, Marine engineering, Telemetry ... 02979
Cameras, Topography, Mapping, Image processing, Remote sensing ... 02220

Satellite communications, (continued)
Capital investment, Marine engineering, Telemetry 02978
Channels, Data transmission, Noise, Dissertation 01580
Channels, Data transmission, Packet switching 01405
Channels, Data transmission, Speech transmission, Phase shift keying 01412
Channels, Signal transmission, Noise, Error 01577
Charge coupled devices, Kalman filters, Transforms, Error, Synchronization 02101
Clustering, Remote sensing, Classification, Geography, LANDSAT 1 00541
Coding, Signal transmission, Rain attenuation, Resource sharing 07950
Coding, Time measurement, Signal processing, Control systems 03650
Communication networks, Mainframes, Data transmission, Economics 06243
Communication networks, Marketing, Government regulations, Channels 07796
Communication networks, Protocols, Delay, Data communications 01410
Communication networks, Simulation 07804
Computer programs, Radios, Wave propagation, Modeling, Minicomputers 01602
Control systems, Software development, NATO III 06182
Controllers, Data transmission, Multiple access, Synchronization 06198
Converters, Broadcasting, Signal transmission, Noise 07805
Data collection, Meteorology, Numerical analysis, Agriculture, Monitoring 02242
Data collection, Resource management, Economics, Modeling 03692
Data transmission, Amplifiers, Traveling wave tubes, IMPATT diodes 00688
Data transmission, Control systems, Traffic, Delay 06093
Data transmission, Marine engineering, Telephones, Phase shift keying, Noise 06191
Data transmission, Multiplexing, Time series, Frequency, Modular design 06194
Decision making, Resource management, Remote sensing, Economics, Planning 02246
Depolarization, Networks, Data transmission, Wave propagation 01635
Design, Reliability 09419
Design, Trunking, Optimization 03004
Economics, Information services, Maintenance, Rural areas, Resource management 07799
Economics, Insurance, Space shuttle insurance losses 08604
Electromagnetics, Technology, Economics, Research and development 06187
Electronic equipment, Marketing, Economics, Technology 07788
Estimation, Tracking, Filters, Error, Orbits 01395
Fiber optics, Cables, Data transmission, Speech transmission 01433
Fiber optics, Networks, Technology 07743
Fiber optics, Speech recognition, State of the art 07729
Forestry, Resource management, Classification, Computer aided analysis 02248
Frequency, Technological forecasting 09418
Frequency, Technology, Interference, Performance 03001
Gallium arsenide, Field effect transistors, Amplifiers 03003
Gallium arsenide, Field effect transistors, Amplifiers, Computer aided design 03853
Gallium arsenide, Microwaves, Field effect transistors 04425
Geography, Floods, Mapping, Computer graphics 02211
Guidance and control systems, Navigation, Signal transmission, Quality control 07857
Image processing, Boundary layers, Meteorology, Sensors 07061
Image processing, Films, Mapping, Data processing 00535
Image processing, Geography, Filtering, Modeling, Algorithms 02166
Image processing, Geology, Computer aided analysis, Resource management, Canada . 02201
Image processing, Mapping, Color, Classification, Scotland 02222
Image processing, Mapping, Groundwater, Egypt 02209
Image processing, Mapping, Resource management, Computer aided analysis 02243
Image processing, Radar, Quality control, Mapping, Geology 07029
Image processing, Random access memory, Buffers, Transmission lines 03050
Image processing, Remote sensing, Meteorology, Scattering, Data collection 07026
Image processing, Resource management, Radar, Microwave devices 02258
Image processing, Sensors, Algorithms, Agriculture, Forestry 05356
Image processing, Sensors, Thermal variables measurement, Mapping 02191
Interference, Frequency, Management, Radios 01399
Interference, Modulation, Research and development 09407
Interference, Signal processing, Microwave devices, Radios, Frequency 00004
Interference, Spectral analysis 07941
Japan, Marine engineering, INMARSAT 09412
Japan, Meteorology, Manufacturing, Data collection 05377
Japan, Research and development 06978
Libraries, Acquisitions, Records management, Local area networks 01406
Libraries, Data transmission 01396
Library science, Broadcasting, Technology, Televisions 09408
Machine machine interactions, Data transmission, Traffic, Flow, Control systems 04593
Mapping, Classification, Remote sensing, Image processing 02208
Mapping, Image processing, Aerial photography, Resource management 02245
Mapping, Mirrors, Scanning, Error, Surface properties 07019
Mapping, Photogrammetry, Image processing, Greece 03685
Marine engineering, Safety, Protocols, Electronic equipment, Failure 06115
Marine engineering, Telemetry, Launching facilities, Business statistics 01402
Marine engineering, Telephones, Telecommunications, Data transmission 00495
Meteorology, Remote sensing, Data transmission, Data collection 03727
Microcomputers, Teletext, Computer graphics, Software development, Alaska 06196
Microprocessors, Programming languages, Memory, Testing, Control systems 01400
Microwave devices, Resonators, Amplifiers, Receivers, Field effect transistors 03850
Microwaves, Wave propagation, Electromagnetics, Scattering 03213
Microwaves, Waveguides, Antennae, Bandwidths 08123
Minicomputers, Signal processing, Buses, Simulation, Research and development 04608
Mobile systems, Antennae, Amplifiers, Frequency, Speech transmission 04604
Mobile systems, Marine engineering, Research and development 06197
Modeling, Architecture, Identification, Protocols, Systems design 02071
Modeling, Channels, Performance, Signal processing, Interference 07932
Modems, Speech transmission, Converters, Channels, Technological forecasting 07832
Modulation, Channels, Coding, Noise, Performance 09558
Multiple access systems, Terminals, Data transmission, Error, Synchronization 03041
Navigation, Aircraft, Guidance and control systems, Military engineering 00491
Networks, Data transmission, Education 00631
Networks, Queueing theory, Performance, Modeling, Dissertation 07786
Networks, Telecommunications, Field effect transistors, Amplifiers 03854
Nickel, Hydrogen, Cells, Performance 06651
Noise, Signal processing, Dissertation 01306
Office automation, Microwave devices, Data transmission, Economics 04605

Satellite communications, (continued)
Optics, Data transmission, Performance, Coding, Modeling 07
Packet switching, Queueing theory, Delay, Algorithms, Numerical analysis 09
Packet switching, Speech transmission, Teleconferencing, Controllers, Protocols 07
Packet switching, Transmission, Channels 03
Performance, Atmospheric conditions, Sun transit outages 04
Performance, Error, Modulation, Interference, Signal to noise ratio 07
Performance, Signal reception, Atmospheric conditions 03
Phase shift keying, Signal processing, Detection, Error, Frequency 07
Photography, Remote sensing, Technology transfer, Geography 02
Plug compatibility, Mainframes, Minicomputers 05
Position control, Government regulations 07
Power series, Modulation, Noise 07
Protocols, Communication networks, Channels, Traffic, Modeling 01
Protocols, Queueing theory, Validation, Simulation, Control systems 04
Radar, Frequency, Radios, Control systems, Research and development 06
Radar, Modeling, Estimation, Interference, Algorithms 06
Radio communications, Wave propagation, Minicomputers, Systems development 04
Radios, Artificial intelligence, Communication networks, Modeling 01
Radios, Broadcasting, Spectral analysis, Allocation, Orbits 07
Radios, Mobile systems, Cellular arrays, Frequency, Technology 02
Radios, Speech transmission, Synchronization, Channels, Delay 01
Receivers, Noise 01
Reliability, Broadcasting, Receivers, Modulation, Converters 02
Remote sensing, Atmospheric conditions, Geography, Spectral analysis 02
Remote sensing, Instrumentation, Wind, Estimation, Meteorology 07
Remote sensing, Mapping, Data collection 02
Remote sensing, Microwave devices, Meteorology, Oceanography 00
Remote sensing, Oceanography, Scanning, Optical devices 05
Remote sensing, Performance, Algorithms, Image processing 07
Remote sensing, Resource management, Data bases, Geography, Information systems . 02
Remote sensing, Spectral analysis, Arrays, Sampling methods 021
Research and development, Terminals, Mobile systems, Access 04
Resource management, Data collection, Image processing 021
Resource management, Remote sensing, Image processing, Meteorology 021
Saudi Arabia, Resource management, Mapping, Image processing 02
Scanners, Mapping, Data structure, Software development, Spectral analysis 00
Scanning, Remote sensing, Inspection, Government agencies, Economics 02
Signal processing, Amplitude, Channels, Bandwidths, Feedback 01
Signal processing, Modulation, Distortion 077
Signal processing, Switching, Error 03
Signal processing, Transformations, Coding, Modulation, Formatting 012
Signal transmission, Amplifiers, Traveling wave tubes, Noise, Dissertation 031
Signal transmission, Channels, Scheduling, Delay, Optimization 078
Signals, Simulation languages, Modeling, Spectral analysis 079
Simulation, Networks, Modeling, Optimization, Protocols 046
Simulation, Radiation, Measurement, Scanning, Error 020
Simulation, Signal transmission, Error, Control systems, Receivers 029
Simulation, Software packages, Structural analysis, Topology 078
Software packages, Simulation, Channels, Coding, Modulation 078
Software packages, Tracking, Performance, Prediction, Research and development 077
Software, Spacecraft, Systems analysis, Control systems, Attitude control 028
Space technology, Fiber optics 077
Space technology, Military engineering, Communication networks 061
Space technology, Military equipment, Onboard processing 052
Space technology, Research and development, NASA 094
Spacecraft, Allocation, Orbits, Scheduling 029
Spacecraft, Computer aided control, Image processing 069
Spacecraft, Radios, Frequency, Propellants, Testing 086
Spacecraft, Remote sensing, Broadcasting, Economics, Research and development 069
Speech recognition, Radios, Mobile systems, Modulation, Dissertation 047
Spread spectrum communications, Multiplexing, Access 061
Structural analysis, Signal processing, Coding, Multiplexing, Synchronization 028
Synchronization, Radio frequency, Signal processing, Data transmission 020
Synthetic aperture radar, Antennae, Image processing, Ocean surface 015
Technology, Economics, Fiber optics 045
Telecommunications, Space technology, Technological forecasting 045
Telecommunications, Standards, Traffic, Access, Terminals 061
Telecommunications, Synchronization, Signal processing, Frequency, Stability 013
Teleconferencing, Computer aided control, Telephones, Signal transmission 014
Teleconferencing, Networks, Education, Government agencies, Alaska 061
Teleconferencing, Video systems, Data transmission, International services 013
Telemetry, Antennae, Reliability, Uplink coverage 061
Telemetry, Error, Distributions, Instrumentation, Random variables 013
Telemetry, Radio communications, Mobile systems, Protocols, Quality control 061
Telemetry, Remote sensing, Systems design, Technological forecasting, India 045
Telemetry, Space technology, Technological forecasting 061
Televisions, Customer services, Earth stations 013
Traffic, Scheduling, Interference, Orthogonality 014
Transmission, Filters, Systems design 047
Transmission, Interference 036
Transmission lines, Microwave devices, Integrated systems 013
Transmission, State of the art 094
Transmission, Switching, Reliability, Japan 094
Transmission, Systems analysis 077
Transponders, Channels, Circuitry 094
Underwater technology, Fiber optics, Cables, Broadcasting, Data transmission 094

Satellites,
Aerosols, Atmospheric conditions, Vapor, Monitoring 053
Altimeters, Filtering, Remote sensing, Oceanography 005
Altimeters, Remote sensing, Wave data, Sea level 0867
Amplifiers, Traveling wave tubes, Klystrons 0141
Amplitude, Frequency, Space stations 0365
Antennae, Performance, Plasmas, Radiation 0805
Antennae, Ships, Bandwidths, Frequency 0165
Antennae, Televisions, Signal reception 0939

llites, (continued)

- ertures, Offset antennae, Telecommunications, Reflectors, Radio frequency 01655
- itude control, Optimal control 08602
- itude control, Simulation 08561
- oadcasting, Government regulations, Business forecasting, Technology 01408
- oadcasting, Signal reception, Attitude control, Atmospheric conditions 06181
- oadcasting, Televisions, Planning, Modeling, Research and development 06171
- siness forecasting, Organization and methods, Technological forecasting 02988
- annels, Spectral analysis, Oceanography, Remote sensing, Reflectance 00565
- arge, Pulse generation, Sensors, Specifications 02109
- mmunications, Infrared, Mapping, Aerospace engineering, Military 05280
- ntrol systems, Telecommunications, Aerodynamics, Spacecraft 00476
- ta collection, Remote sensing, Environmental monitoring 01407
- ta communications, Reflectors, Antennae, Composite materials 01667
- ta communications, Telemetry, Military engineering 04583
- ta transmission, Channels, Bandwidths, Transponders 00481
- ta transmission, Transponders, Multiplexing, Amplifiers, Traveling wave tubes 02435
- ology, Oceanography, Reflectance, Optical analysis 00560
- ectric power transmission, Power systems, Technological forecasting 01848
- quations of motion, Perturbation 08616
- allium arsenide, Semiconductors, Field effect transistors 01245
- uidance and control systems, Attitude control, Error 05276
- uidance and control systems, Position control 02095
- uidance and control systems, Space technology 08618
- uidance and control systems, Spacecraft, Aerodynamics, Torque measurement 00477
- mage processing, Detectors, Performance 05060
- mage processing, Filtering 08937
- mage processing, Meteorology, Radiation, Solar energy, Remote sensing 00573
- mage processing, Ultraviolet Detectors 05056
- frared, Meteorology, Image processing, Telemetry, Digitizing, Calibration 03710
- frared, Telescopes, Photometry, Astronomy, IRAS 07076
- terfaces, Protocols, Networks, Telephones 03069
- asers, Instrumentation, Noise, Modeling 09035
- asers, Meteorology, Statistical analysis, Modeling 08709
- aunching facilities, Technological forecasting, Europe 02977
- aunching facilities, Technological forecasting, Stability 00475
- Meteorology, Image processing 08694
- Meteorology, Military engineering, Image processing 00572
- Meteorology, Offshore structures 08689
- Meteorology, Remote sensing, Image processing, Brazil 08693
- Meteorology, Telecommunications, Data collection, Economics 07059
- Microwaves, Radiometers, Remote sensing, Resolution 08403
- Military engineering, Government policies, Technological forecasting 03634
- Multiplexing, Bandwidths, Distortion, Modulation, Televisions 06172
- Navigation, Avionics 07806
- Plasmas, Detectors, Magnetosphere, Spacelab 00490
- Position control, Atmospheric conditions, Modeling 07064
- Position control, Design, Filters, Temperature 07859
- Position control, Navigation, Marine engineering, Technological forecasting 04700
- Propulsion, Solar energy 06975
- Radiometers, Offshore structures, Combustion, Remote sensing, Oceanography 03435
- Radiometers, Telescopes, Infrared, Spectral analysis 05040
- Radios, Interference, Tracking, Position control 08617
- Remote sensing, Color, Instrumentation, Calibration 03695
- Remote sensing, Fiber optics, LANDSAT 07720
- Remote sensing, Fishery oceanography, Coastal zone, Water color 08688
- Remote sensing, Image processing, Ocean surveying, Current data 08672
- Remote sensing, Image processing, Segmentation 08938
- Remote sensing, LANDSAT, Urban planning 08651
- Remote sensing, Legislation 07031
- Remote sensing, Monitoring, Developing countries 02173
- Remote sensing, Oceanography, Atmospheric conditions, Air-water interface 08669
- Remote sensing, Oceanography, GEOSAT 07055
- Remote sensing, Oceanography, Thermal variables measurement 03706
- Remote sensing, Pattern recognition, Geophysics, Sea surface temperature 00532
- Remote sensing, Radiometers, Mapping, Geography 07035
- Remote sensing, Technological forecasting, Meteorology, Data collection 00564
- Remote sensing, Transborder data flow 02174
- Retrieval, Space technology, Torque control, Simulation 03644
- Scanning, Remote sensing, Image processing, Astronomy 03980
- Seismology, Data transmission, Marine engineering 00555
- Seismology, Data transmission, Marine engineering, Signal processing 00556
- Semiconductors, Stress, Failure, Reliability, Research and development 07544
- Signal transmission, Coupling, Attenuation 01637
- Signal transmission, Switching, Transponders 07793
- Solar energy, Radiation, Pressure, Reflection, Orbital motion 08708
- Solar energy, Remote sensing, Oscillation 00584
- Space technology, Technological forecasting, Systems design, Columbia 02892
- Space technology, Vibration, Acoustics, Antennae, Simulation 08605
- Space technology, Weapons, Lasers, Missiles 00489
- Spacecraft, Charge, Voltage, Surface potential 02107
- Spacecraft, Telemetry, Telecommunications 00484
- Spacecraft, Tracking, Technology, Failure 05274
- Stereoscopics, Image processing, Remote sensing, Technological forecasting 00551
- Systems analysis, Data collection, Altimetry, Oceanography 03705
- Telecommunications, Atmospheric conditions, Meteorology, Spectroscopy 02280
- Telecommunications, Business statistics, Technological forecasting 01342
- Telecommunications, Radio waves, Aerospace engineering 01404
- Telecommunications, Ships, Microprocessors, Safety systems 01409
- Televisions, Signal transmission, Multiplexing 02941
- Thermal variables measurement, Image processing, Oceanography 03448
- Thermal variables measurement, Meteorology, Calibration, Remote sensing 03712
- Tracking, Orbital motion, Doppler shift, EMI, EMC 09497
- Transponders, Televisions, Radios 01289
- United Kingdom, Telecommunications, Space technology, Project engineering 02093

Saudi Arabia,

- Mapping, Aerial photography, Image processing, Environmental protection 02214
- Marine transportation, Navigation, Radios, Position control, Loran-C 09485
- Resource management, Mapping, Image processing, Satellite communications 02221

Scandium oxide,

- Cathodes, Doping, Current density, Surface properties 07250

Scanners,

- Acoustics, Image processing, Holography, Fourier transforms, Displays 03531
- Calibration, Failure, Thermal variables control 05688
- Computed tomography, Diagnostics, Kalman filters, Covariance, Dissertation 06345
- Fiber optics, Displays, Helicopters, Image processing, Laboratories 05246
- Frequency, Charge carriers, Transducers, Nondestructive testing 04342
- Image processing, Three dimensionality, Displays, Diagnostics, Radiology 00510
- Infrared, Oceanography, Remote sensing, Plumes, Thermal variables measurement 03445
- Lasers, Nondestructive testing, Solar cells 07280
- Lasers, Solar cells, Current, Charge carriers, Energy conversion 03932
- Mapping, Data structure, Software development, Spectral analysis 00537
- Optics, Calibration, Data collection, Statistical analysis, Oceanography 05369
- Performance, Color, Dissertation 08920
- Radar, Detection, Performance 03099
- Radiology, Ultrasonics, Image processing 05298

Scanning,

- Acoustics, Microscopy, Elastic constants 08485
- Agriculture, Tracking, Image processing, Satellite communications 02227
- Bathymetry, Sonar, Signal processing, Optics, Displays 06307
- Cartography, Image processing, Spectral analysis, Mapping, Economics 02215
- Cartography, Mapping, Image processing, Topology, Color 02188
- Computed tomography, Pattern recognition, Statistical analysis, Lasers 04045
- Computed tomography, Radiology, Image processing, Microprocessors, Archeology 03660
- Computer aided control, Thermal variables measurement, Signal processing 02007
- Density, Electron beams, Distributions, Reconstruction, Computed tomography 00265
- Electrooptics, Infrared, Remote sensing, Mapping, Irrigation 03449
- Fiber optics, Refractive indices, Visible range 07768
- Holography, Image processing, Medicine, Computer graphics, Radiology 01003
- Hydroelectric power generation, Frequency, Simulation, Impedance, Measurement 04963
- Image processing, Microwave devices, Environmental protection, China 02190
- Interferometers, Infrared, Lenses, Optics 00875
- Lasers, Electrooptics, Fabry Perot filters, Design 02552
- Lasers, Interactive systems, Automation, Displays, Control systems 02217
- Lasers, Microscopy, Integrated circuits, Inspection, Metal oxide semiconductors 06061
- Lasers, Optics, Printers, Computer graphics, Image processing 09039
- Lasers, Robots, Vision, Pattern recognition, Time-of-flight 02560
- Light emitting diodes, Printers, Photoreceptors 05696
- Mapping, Satellite communications, Mirrors, Error, Surface properties 07019
- Mapping, Spectral analysis, Information processing, Testing 05352
- Measurement, Semiconductors, Mapping, Microprocessors, Control systems 02548
- Memory, Cells, Structural analysis, Crystal growth, Fabrication 02726
- Microscopy, Electrooptics, Image processing 08917
- Microscopy, Image processing, Computer aided analysis, Noise 08888
- Nuclear medicine, Radioisotopes, Photon emission tomography, Image processing 00506
- Optical character recognition, Pattern recognition, Input output 02575
- Optical devices, Remote sensing, Satellite communications, Oceanography 05368
- Optics, Liquid crystals, Microwaves, Microcomputers, Holography 08068
- Optics, Metrology, Mirrors 00245
- Optics, Telescopes, Automation, Minicomputers, Photography 00377
- Pattern recognition, Logic, Performance, Design 00858
- Radar, Estimation, Signal to noise ratio, Amplitude, Simulation 02894
- Realtime systems, Timers, Pulses, Channels, Input 05315
- Remote sensing, Mapping, Image processing, Transformations, Automation 02185
- Resolution, Signal processing 08116
- Resource management, Identification, Mapping, Classification, Spectral analysis 05358
- Robots, Lasers, Vision, Modeling, Control systems 07430
- Satellite communications, Remote sensing, Inspection, Government agencies 02257
- Satellites, Remote sensing, Image processing, Astronomy 03980
- Sensors, Signal to noise ratio, Image processing, Landsat-4 08658
- Signal processing, Quality control, Interference, Televisions, Displays 02952
- Signal to noise ratio, Acoustics, Filters, Scanning electron microscopy 03513
- Simulation, Satellite communications, Radiation, Measurement, Error 02097
- Solenoids, Magnetization, Voltage 08459
- Sonar, Photography, Underwater technology, Oceanography 05371
- Spectral analysis, Spectroradiometers, Remote sensing, Agriculture 08655
- Televisions, Signal processing, Arrays, Converters 02966
- Tensile strength, Counters, Position control, Aluminum, X-rays 01885
- Topography, Data collection, Computer graphics, Data bases, Standards 02218
- Transducers, Biomedical engineering, Ultrasonics, Image processing 00514
- Ultrasonics, Image processing, Pattern recognition, Boundary extraction 05729
- Ultrasonics, Waveforms, Signal processing, Resolution 01564
- Wavelengths, Image processing, Displays, Acoustics, Transducers 01994

Scanning electron microscopy,

- Aluminum, Contacts, Surface properties, Fretting, Corrosion 06878
- Electrodes, Batteries, Energy storage components, Current voltage 03328
- Image processing, Computer aided analysis, Backscattering, Topography 02557
- Image processing, Silicon, Integrated circuits, Fourier transforms 04467
- Inspection, Integrated circuits, MOSFET, Passivation, Layers 07659
- Integrated circuits, Voltage, Failure, Phase shifts 01271
- Nickel, Alloys, Surface structure 03905
- Pn junctions, Emitters, Diffusion, Recombination, Surface properties 04377
- Polysilicon, Diffusion, Grain boundaries, Recombination 03558
- Servomechanisms, Hydraulic control equipment, Fatigue, Video systems 01883
- Signal to noise ratio, Acoustics, Filters, Televisions 03513
- Solar cells, Pn junctions, Short circuits, Electron beams, Current 02520
- Surface properties, Absorption, Classification, Thermal variables measurement 02518

Scattering,

- Absorption, Dielectricity, Electromagnetic waves, Wave propagation 06432
- Absorption, Polarization, Wave propagation, Foliage 00010
- Acoustic variables measurement, Sound propagation 07882

Scattering, (continued)
- Acoustic waves, Diffraction, Impedance, Integral equations, Dissertation 08477
- Acoustics, Pressure, Impedance, Dissertation, Cylinders 08480
- Acoustics, Semiconductors, Magnetoresistance, Germanium 01112
- Acoustics, Sound propagation, Nonlinear systems, Vibration, Dissertation 06863
- Acoustics, Waves, Underwater technology, Numerical analysis, Oceanography 05370
- Alloys, Electric fields, Modeling, Structural analysis, Current voltage 01945
- Antennae, Sensors, Polarization, Frequency, Poynting vectors 06493
- Arrays, Electromagnetics, Impedance, Computer programs, Dissertation 01605
- Bragg scattering, Surface properties, Image processing, Electromagnetic waves 01603
- Carrier mobility, Surface properties, Field effect transistors 02743
- Current density, Niobium, Titanium, Solenoids 04199
- Dielectrics, Waveguides 04316
- Diffraction, Dielectricity, Frequency, Scattering 04817
- Diffraction, Impedance, Wave propagation 01611
- Electrical conductivity, Mixed crystals, Gallium arsenide, Aluminum arsenide 04374
- Electromagnetic fields, Dielectric constants, Cylinders 03203
- Electromagnetic fields, Maxwell equations, Frequency, Polarization 08004
- Electromagnetic fields, Transmission lines, Plane waves 03208
- Electromagnetic waves, Hydrometeors, Numerical analysis, Communications 04818
- Electromagnetic waves, Loop antennae, Remote sensing 03258
- Electromagnetic waves, Perturbation, Current, Cylinders 06421
- Electromagnetic waves, Perturbation, Numerical analysis 00011
- Electromagnetic waves, Polarization, Focusing, Lasers 00014
- Electromagnetic waves, Radar, Cross sectional measurement, Cubes 07876
- Electromagnetic waves, Surface properties, Conductivity 00012
- Electromagnetic waves, Wave propagation, Antennae 04815
- Electromagnetic waves, Wave propagation, Cross sectional measurement 00018
- Electromagnetic waves, Wave propagation, Dielectrics, Numerical analysis 06435
- Electromagnetic waves, Wave propagation, Refractive indices, Troposphere 06439
- Electromagnetic waves, Waveguides, Filters 04307
- Electromagnetics, Glint, Radar, Simulation 04721
- Electromagnetics, Green functions, Dissertation, Half sheet 06434
- Electromagnetics, Integral equations, Impedance, Transmission lines 08006
- Electromagnetics, Measurement, Automation, Minicomputers 03479
- Electromagnetics, Numerical analysis 01625
- Electromagnetics, Spectral analysis, Iterative method, Dissertation 01621
- Electromagnetics, Wave propagation, Dipoles, Computer aided analysis 08003
- Electromagnetics, Wave propagation, Dissertation 08043
- Electromagnetics, Wave propagation, Integral equations, Green functions 06406
- Electromagnetics, Wave propagation, Radar 08014
- Electromagnetics, Wire, Antennae, Numerical analysis 08102
- Electromagnetics, Wire, Integral equations, Dissertation 06425
- Fiber optics, Attenuation, Wave propagation, Degradation 08025
- Fiber optics, Refractive indices, Dispersion, Computer aided analysis 07760
- Filters, Estimation, Algorithms, Communication networks, Modeling 08758
- Filters, Waves 00644
- Frequency, Estimation, Signal to noise ratio, Stochastic processes 04770
- Frequency, Magnetics, Dipoles, Antennae 08119
- Gallium arsenide, Transistors, Structural analysis, Electrons, Optics 04395
- Image processing, Frequency, Attenuation, Algorithms 05697
- Image processing, Optical communications, Fourier transforms, Holography 07307
- Image processing, Radiance, Pixels, Optics, Statistical analysis 00538
- Image processing, Satellite communications, Remote sensing, Meteorology 07026
- Impedance, Dipoles, Antennae 08104
- Ions, Ionic conduction, Nuclear reactions, Rutherford backscattering, Ceramics 06722
- Microwaves, Gallium arsenide, Field effect transistors, Noise, Amplifiers 09254
- Microwaves, Ports, Networks, Computer aided analysis 00020
- Microwaves, Resonance, Ferrites, Single crystals 06463
- Microwaves, Spectral analysis, Signal processing, Detectors 06465
- Millimeter waves, Networks, Waveguides, Calibration 08029
- Modeling, Electromagnetic waves, Current 03209
- Modeling, Electromagnetic waves, Surface roughness, Dissertation 06412
- Modeling, Electromagnetics, Dielectrics 04807
- Modeling, Tracking, Signal processing, Waves 04810
- MODFET, Integrated circuits, Capacitance, Bias, Transconductance 07609
- Neutron diffraction, Detectors, Laboratories, Weapons, Research and development 05155
- Oceanography, Cross sectional measurement, Radar 03105
- Plane waves, Dielectric constants, Electromagnetic waves, Dissertation 03217
- Plasmas, Radio frequency, Electromagnetic waves, Gas lasers, Dissertation 00973
- Precipitation, Electromagnetic waves, Wave propagation 01610
- Pulse generation, Lasers, Diffraction, Surface properties 00918
- Radar, Electromagnetic waves, Symmetry, Reflection 06300
- Radar, Image processing, Signal processing, Pattern recognition, Resonance 06303
- Radar, Polarization, Interference, Atmospheric conditions 09511
- Radar, Receivers, Polarization, Cross sectional measurement 07872
- Radar, Spectral analysis, Signal to noise ratio, Turbulence, Dissertation 07877
- Radiation, Broadcasting, Buildings, Modeling, Frequency 06407
- Radiation, Holography, Silver halide, Recording systems, Lasers 09042
- Radio frequency, Wave propagation, Mathematical models 01612
- Raman scattering, Excimer lasers, Converters, Tuning 05744
- Raman scattering, Gas lasers, Pumping, Resonators 05766
- Raman scattering, Thin films, Carbon, Crystal structure, Strain 06882
- Raman scattering, Ultraviolet, Lasers, Potassium, Spectral analysis 05057
- Reflection, Waveguides, Electromagnetic fields 01664
- Reflectors, Antennae, Numerical analysis 08133
- Resonance, Dielectrics, Reflection, Radar 01529
- Satellites, Coupling, Attenuation, Antennae 01637
- Semiconductors, Energy bands, Conductivity, Density 00022
- Signal processing, Electrical conductivity, Rotating bodies 04820
- Signal processing, Radar, Identification, Reliability, Economics 04706
- Signal processing, Scattering, Noise, Fading, Dissertation 07949
- Signal transmission, Underwater technology, Acoustics, Sonar 01965
- Surface acoustic waves, Discontinuities, Dielectrics, Waveguides 04315
- Surface acoustic waves, Ultrasonics, Wave propagation, Spectral analysis 01624
- Surface properties, Electromagnetic waves, Wave propagation 01614

Scattering, (continued)
- Ultrasonics, Surface properties, Helium, Thin films, Dissertation 0
- Ultrasonics, Wave propagation, Polystyrene, Particles, Dissertation 0
- Voltage, Fabrication, Gallium arsenide, MESFET 0
- Wave propagation, Elasticity, Frequency, Velocity, Porosity 0
- Wave propagation, Electromagnetic waves, Coherence 0
- Wave propagation, Electromagnetic waves, Plasmas, Cross sectional measurement 0
- Wave propagation, Electromagnetics, Satellite communications, Microwaves 0
- Wave propagation, Inspection, Ultrasonics, Modeling, Elastic waves 01
- Wave propagation, Magnetic fields, Conductivity, Rotating bodies 0
- Wave propagation, Modeling, Surface properties 0
- Wave propagation, Polarization, Electromagnetic waves, Numerical analysis 0
- Wave propagation, Waveguides, Numerical analysis, Finite element method 0
- Wave propagation, Waveguides, Perturbation 04
- Waveguides, Circuitry, Impedance, Electromagnetics 0
- Waveguides, Discontinuities, Structural analysis 0
- X-rays, Polarization, Spectral analysis, Cross sectional measurement 0

Scheduling,
- Automation, Aircraft, Traffic, Operations research 00
- Communication networks, Airlines, Data processing, Interactive systems, Traffic 02
- Coordination, Thermal variables measurement, Hydroelectric power generation 01
- Electric power generation, Brazil, Modeling 03
- Electric power generation, Loading, Flow, Transmission lines, Economics 05
- Electric power generation, Optimization, Integer programming, Duality 05
- Electric power generation, Planning, Thermal variables control, Heuristics 00
- Electric power generation, Security, Economics, Optimization, Automation 01
- Electric power generation, Technology, Loading, Control systems 04
- Electric power generation, Utilities, Mathematical models 08
- Hydroelectric power generation, Economics, Resource management, Allocation 06
- Hydroelectric power generation, Energy resources, Loading 05
- Image processing, Partitioning, Protocols, Multiprocessing 05
- Microprogramming, Signal processing, Resource management, Systems design 06
- Optimization, Power plants, Voltage, Security, Buses 01
- Power systems, Multiprocessors, Task scheduling 04
- Power systems, Optimization, Dynamic programming, Seasonal reservoir scheduling 05
- Protocols, Local area networks, Access, Buses 05
- Satellite communications, Spacecraft, Allocation, Orbits 02
- Sensors, Radar, Measurement, NP completeness, Dissertation 07
- Signal transmission, Channels, Satellite communications, Delay, Optimization 07
- Simulation languages, Routines, Programming, Buffers, Speech transmission 07
- Traffic, Interference, Orthogonality, Satellite communications 01
- Transportation, Railway engineering, Automation, Optimization 02
- Utilities, Electric power generation, Loading 08

Schottky barriers,
- Current voltage, Charge carriers, Density 011
- Gallium arsenide, Defects, Charge carriers, Band structure 091
- Gallium arsenide, Metal insulator semiconductors, Charge density, Annealing 027
- Indium telluride, Ohmic contacts, Structural analysis 011
- Integrated circuits, Simulation, Diodes, Gallium arsenide, Modeling 011
- Junctions, Fabrication, Metals, Semiconductors, Book 075
- Photocapacitance, Thin films, Solar cells, CdS/CdTe 056
- Rectifiers, Voltage, Leakage current 091
- Silicides, Integrated circuits, Metal oxide semiconductors, Junctions, Book 076
- Silicon, Amorphous materials, Sputtering, Bias, Dissertation 091
- Silicon, Photodiodes, Scintillation, Counters 055
- Silicon, Solar cells, Fabrication, Pn junctions 056
- Silicon, Solar cells, Optical analysis, Amorphous materials 072
- Silicon, Solar cells, Pin junctions, Degradation 007
- Solar cells, Current density, Charge carriers, Photoconductivity 039
- Solar cells, Illumination, Photovoltaics 056
- Solar cells, Recombination, Junctions, Thin films, Book 088

Schottky diodes,
- Annealing, Current voltage, Capacitance voltage, Mo/GaAsP 011
- BARITT diodes, Frequency, Noise, Performance, Dissertation 027
- Barrier heights, Contacts, Gallium arsenide, Space charge, Oscillators 091
- Barrier heights, Current voltage 059
- Barrier heights, Current voltage, Platinum, Silicon 059
- Breakdown, Voltage, Electric fields 011
- Breakdown, Voltage, Interfaces, Heat treatment, Al/n-Si 075
- Calibration, Detectors, Microwaves, Networks 060
- Charge carriers, Diffusion, Semiconductors, Irradiation 043
- Charge carriers, Service life, Current voltage, Contacts 011
- Chromium, Gallium arsenide, Evaporation, Crystal growth 027
- Contacts, Metals, Silicides, Emissions, Tunneling 059
- Current, Simulation 043
- Current voltage, Dielectrics, Coatings, Temperature, Barrier heights 0917
- Current voltage, Injection, Charge carriers, Thermionic emissions 0755
- Diffusion, Solar cells, Charge carriers, Metal insulator semiconductors 007
- Electrooptics, Charge coupled devices, Logic circuits, Signal processing 0277
- Fabrication, Photodiodes, Planar processes, Gallium arsenide 072
- Fabrication, Sensors, Optics, Detection, Dynamics 072
- Fabrication, Silicon, Aluminum, Sputtering, Etching 0271
- Gallium arsenide, Field effect transistors, Logic circuits, Fabrication 0276
- Germanium, Silicon, Current voltage, Capacitance voltage 0271
- Harmonics, Mixing, Oscillators, Far infrared, Lasers 0919
- Illumination, Photodetectors, Semiconductors, Field effect transistors 0273
- Indium phosphide, Photoelectric effect, Electron density 0755
- Infrared, Emissions, Leakage current, Thermal variables measurement 0755
- Lasers, Heterodyne reception, Receivers, Mixers 0901
- Lead telluride, Infrared, Detectors, Thermal variables measurement 0438
- Leakage current, Current voltage, Modeling 0755
- Logic circuits, Photodetectors, Semiconductors, Field effect transistors 0395
- Metal insulator semiconductors, Fabrication, Barrier heights, Interfaces 0438
- Metal oxide semiconductors, Field effect transistors, Charge carriers 0440
- Metals, Gallium arsenide, Contacts, Stress, Voltage 0271
- Metals, Semiconductors, Hydrogen, Silicon, Adsorption 0755

ottky diodes, (continued)
xers, Antennae, Receivers, Heterodyne reception ... 06503
xers, Astronomy, Heterodyne reception, Radiometry ... 08399
otodiodes, Liquid phase epitaxy, Etching, Performance, Voltage ... 05600
otolithography, Tunnel junctions, Magnetrons, Josephson junctions ... 04221
otovoltaic effect, Semiconductors, Doping, Solar cells ... 03930
junctions, Contacts, Transport properties, Charge carriers ... 04385
rts, Power supply, Detectors ... 05917
adio frequency, Plasmas, Interfaces, Josephson junctions, Tunnel junctions ... 04219
emiconductors, Mixers, Charge carriers, Noise, Harmonics ... 04370
emiconductors, Photodevices, Junctions, Dissertation ... 00770
icon carbide, Electroluminescence, Deformation, Band gaps ... 07554
icon, Ion implantation, Argon ... 05913
icon, Lithography, Etching, Superconductivity, Electrodes ... 04382
icon, Memory, Correlators, Surface acoustic waves, Dissertation ... 00337
icon, Tunnel junctions, Niobium ... 04211
olar cells, Barrier heights, Voltage, Short circuits, Al-P-N ... 00798
olar cells, Spectral analysis, Capacitance ... 02515
pace charge, Charge carriers, Semiconductors, Transistors ... 01164
urface acoustic waves, Storage, Circuitry, Voltage, Capacitance ... 09196
urface acoustic waves, Varactors, Gallium arsenide, Memory, Correlators ... 05122
hermal variables measurement, Junctions, Photodiodes ... 00771
unnel junctions, Josephson junctions, Thin films, Fabrication ... 04189
unnel junctions, Superconductivity, Current density, Josephson junctions ... 04168
ideo systems, Far infrared, Detectors, Voltage ... 07558
oltage, Power supply, Breakdown, Resistivity ... 01139
ntillation,
mplitude, Atmospheric conditions, Spectral analysis, Signal transmission ... 01629
ameras, Imaging, Resolution, Simulation ... 05300
oherence, Wave propagation, Electromagnetic waves ... 03225
ounters, Schottky barriers, Silicon, Photodiodes ... 05596
etectors, Photodiodes, Imaging, Resolution ... 05599
luorimeters, Resolution, Recording systems ... 02008
ematology, Nuclear medicine, Image processing, Cardiovascular system ... 00527
maging, Gain, Resolution, Noise, Detectors ... 05159
frared, Lasers, Communications, Statistical analysis ... 09052
ight, Polystyrene, Pulse generation ... 08510
ntillators,
iber optics, Quality control ... 05158
odoscopes, Photomultipliers, Resolution ... 05588
erformance, Simulation, Monte Carlo method ... 05157
ulses, Time measurement ... 05160
ignals, Encoding, Data compression, Hodoscopic systems ... 06894
tland,
ata communications, Local area networks, Banking, Backup systems ... 01427
apping, Color, Satellite communications, Image processing, Classification ... 02222
curity,
larm systems, Control systems, Systems design ... 05383
pproximations, Electric power generation, Modeling, Communication networks ... 08250
Banking, Electronic funds transfer, Forecasting ... 02281
Communication networks, Electric power generation, Boundary value problems ... 00239
Communications, Channels, Speech recognition, Speech scramblers ... 07943
Computer aided control, Optimization, Transmission lines, Economics ... 08182
Computer crime, Management information systems, Local area networks, Personnel ... 08712
Control systems, Monitoring, Electric power generation ... 04907
Control systems, Power plants, Monitoring, Pattern recognition, Dissertation ... 05010
Data communications, Local area networks, Privacy, Economics ... 03021
Data processing, Telecommunications, Government agencies, Encryption, Channels ... 03181
Data processing, Transborder data flow, Government regulations ... 02888
Data transmission, Encryption, Williams public-key encryption ... 04796
Data transmission, Telecommunications, Cryptography ... 03178
Electric power distribution, Telemetry, Control systems, Microprocessors ... 04601
Electric power distribution, Telemetry, Pulse code modulation, Control systems ... 03315
Electric power generation, Scheduling, Economics, Optimization, Automation ... 01854
Electric power generation, Telemetry, Systems design, Channels ... 04602
Electric power generation, Utilities, Control systems, Processors, Interfaces ... 01857
Electric power transmission, Control systems, Estimation, Filters ... 06683
Electric power transmission, Loading, Flow, Optimization, Quadratic programming ... 04940
Electronic funds transfer, Financial services, Telecommunications ... 09445
Electronic mail, Software packages, Minicomputers ... 01440
Electronic mail, Transmission, Cryptography ... 03030
Financial services, Electronic funds transfer ... 03005
Knapsack problem, Cryptography ... 04793
Local area networks, Office automation, Electronic mail, Cryptography ... 02295
Mapping, Distributed systems, Modeling, Stability, Organization and methods ... 06098
Microprocessors, Image processing, Televisions, Cameras, Interactive systems ... 03565
Nuclear power plants, Monitoring, Technology, Thermodynamics, Reliability ... 03309
Office automation, Communication networks, Controllers, Microprocessors, Modems ... 05417
Optimization, Power plants, Voltage, Scheduling, Buses ... 01773
Power supply, Reliability, Monitoring, Online systems ... 01866
Power systems, Automatic control, Linear programming ... 06703
Power systems, Electric power generation, Voltage, Downtime ... 01869
Pulse code modulation, Coding, Signal transmission, Military ... 04763
Radios, Communication networks, Mobile systems, Systems design, Modeling ... 04523
Records management, Banking, Information retrieval, United Virginia Bank ... 08718
Signal processing, Radios, Broadcasting, Distortion, Spectrum inversion ... 04779
Telecommunications, Cryptography, Standards ... 03177
Telecommunications, Electronic mail, Computer crime, Encryption ... 09416
Transaction processing, Banking, Electronic funds transfer ... 08710
United Kingdom, Transborder data flow, Legislation ... 02884
Utilities, Electric power generation, Reliability, Control systems ... 01867
gmentation,
Image processing, Surface texture, Dissertation ... 00871
ismology,
Channels, Distortion, Signal processing, Deconvolution, Dissertation ... 04774
Classification, Pattern recognition ... 00557

Seismology, (continued)
Data processing, Time series, Geophysics, Microprocessors, Economics ... 00558
Diffraction tomography, Imaging, Mapping ... 02576
Earthquakes, Nuclear energy, Numerical analysis, Dissertation ... 00559
Electromagnetic waves, Diffraction, Tomography, X-rays ... 03701
Geomagnetism, Signal processing, Velocity ... 03700
Geophysics, Noise levels, Statistical analysis, Dissertation ... 02262
Magnetic variables measurement, Stress, Instrumentation, Calibration ... 06719
Microcomputers, Simulation, Signal processing, Modeling, Transmission ... 05365
Microprocessors, Signal processing, Texas Instruments TMS 320 ... 04758
Oceanography, Data collection, Signal processing, Data compression ... 02274
Pattern recognition, Petrochemical industry, Filtering, Fuzzy sets ... 03139
Remote sensing, Image processing, Pattern recognition ... 02181
Satellites, Data transmission, Marine engineering ... 00555
Satellites, Data transmission, Marine engineering, Signal processing ... 00556
Signal processing, Pattern recognition ... 07039
Signal processing, Pattern recognition, Computer aided analysis ... 09541
Wave propagation, Frequency, Noise, Filters, Dissertation ... 08663
Waveforms, Signal processing, Dissertation ... 06856
Selenium,
Doping, Gallium arsenide, Epitaxial growth, Field effect transistors ... 04432
Light emitting diodes, Photoreceptors, Wavelengths, Stability ... 07301
Semiconductor lasers,
Aluminum gallium arsenide, Charge carriers, Refractive indices, Carrier density ... 04023
Aluminum gallium arsenide, Frequency, Control systems, Signal to noise ratio ... 04025
Aluminum gallium arsenide, Frequency, Stability, Theoretical analysis ... 05760
Aluminum gallium arsenide, Injection, Frequency, Stability ... 02593
Aluminum gallium arsenide, Noise, Theoretical analysis ... 00959
Aluminum gallium arsenide, Oscillation, Relaxation, Modulation ... 04014
Aluminum gallium arsenide, Stability, Photoelectric effect, Krypton ... 04026
Amplifiers, Carrier density, Refractive indices, Stability ... 00958
Carrier concentration, Light, Current, Index guides ... 07387
Carrier waves, Aluminum gallium arsenide, Heterojunctions, Wavelengths ... 00944
Charge carriers, Charge density, Service life ... 04011
Circuitry, Modeling, Modulation, Packaged components ... 00963
Communications, Optical properties, Feedback, Modulation, Transient response ... 04022
Coupling, Fiber optics, Modes, Fabry Perot interferometers ... 00966
Coupling, Fiber optics, Power, Modeling ... 00911
Coupling, Frequency, Stability ... 08965
Cryogenics, Thermal variables measurement, Stability ... 07385
Degradation, Surface properties, Corrosion, Impurities, Recombination ... 05682
Design, Optics, Wave propagation, Cost benefit analysis ... 05758
Design, Performance, InGaAsP/InP ... 05755
Design, Performance, Modes, InGaAsP/InP ... 05756
Design, Pumping ... 09003
Dielectrics, Waveguides, Optical analysis, Perturbation ... 04013
Dynamics, Modeling, Numerical analysis, Charge carriers, Density ... 04015
Electrooptics, Coupling, Injection, Tuning ... 00961
Electrooptics, Logic circuits, Inverters, Signal converters ... 04010
Emissions, Pumping, Refractive indices, Wavelengths, (GaAl)As ... 08962
Epitaxial growth, Fiber optics, Communications, Electrooptics, Dissertation ... 03971
Fabrication, Deuterons, Ion bombardment, InP/InGaAsP ... 07375
Fabrication, Emissions, Spectral analysis, GaInAsP/InP ... 05757
Fabrication, Etching, Temperature, Stability ... 05762
Fiber optics, Communications, Stability, Wave propagation ... 04030
Fiber optics, Data transmission, Wavelengths ... 01334
Fiber optics, Dispersion, Spectral analysis, Resolution ... 09362
Fiber optics, Signal processing, Data transmission ... 02594
Frequency, Stability, Noise, Aluminum gallium arsenide ... 02592
Gallium aluminum arsenide, Frequency, Modulation, Noise ... 07384
Gallium aluminum arsenide, Heterojunctions, Harmonics, Performance ... 01138
Gallium aluminum arsenide, Service life, Testing, Degradation ... 00951
Gallium aluminum arsenide, Stability, Modulation, Noise, Dissertation ... 02596
Gallium arsenide, Electrooptics, Transmitters, Multiplexers, Digital systems ... 07292
Heterostructure lasers, Carrier waves, Thresholds, Diodes ... 00960
Heterostructure lasers, Gain, Modeling, Waveguides ... 04019
Heterostructures, Carrier waves, Fabrication ... 00962
Heterostructures, Waveguides, Injection ... 04320
Injection, Lasers, Carrier concentration, Power, Index guides ... 07386
Injection lasers, Circuitry, Design, Modulation, Communications ... 07390
Injection lasers, Performance, InGaAsP ... 09005
Injection, Striplines, Charge carriers ... 00956
Integrated optics, Voltage, Modulators, Waveguides, Frequency ... 07754
Lead tin selenide, Performance, Thermal variables measurement, Tuning ... 04024
Light, Amplifiers, Integrated optics, Fiber optics, Technological forecasting ... 07699
Microwaves, Modulation, Spectral analysis ... 05759
Modulators, Switching, Schottky TTL, Integrated circuits ... 06049
Molecular beam epitaxy, Current density, Quantum wells, Injection ... 07388
Noise, Acoustic variables measurement, Current, Modulation ... 09002
Noise, Coatings, Reflectivity, Surface properties ... 00947
Noise, Fiber optics, Video systems, Transmission ... 04017
Noise, Frequency, Spectral analysis, Phase matching ... 07380
Noise, Modeling ... 07383
Noise, Spectral analysis, Optical feedback ... 07379
Noise, Theoretical analysis, Quantum mechanics, Density ... 00957
Optical communications, Fiber optics, Amplifiers, Receivers ... 09355
Optical communications, Fiber optics, Signal processing ... 06135
Optical storage, Beam propagation, Recording systems ... 01501
Optical storage, Recording systems, Disks ... 01511
Oscillators, Waveguides, Refractive indices ... 04031
Performance, Technological forecasting, Crystal growth ... 00965
Photodetectors, Diodes, Fabrication, Dissertation ... 00808
Photodiodes, Infrared, Detectors, Dissertation, InGaAsP/InP ... 02595
Power supply, Pulse generation, Spectral analysis ... 00954
Pulse generation, Kinematics, Recombination, Injection ... 07381
Pumping, Cooling, Thermal variables measurement ... 09004

Semiconductor lasers, (continued)
Pumping, Tuning, Temperature, Reflection 07382
Quantum wells, Valence, Dipoles, GaInAs/InP 08964
Reflectometers, Photodiodes, Signal processing, Computer aided analysis 04029
Resonators, Optical properties, Reflection, Thresholds 04018
Resonators, Stability, Switching, Numerical analysis 00953
Servomechanisms, Current, Control systems 04009
Signals, Actuators, Gallium aluminum arsenide, Disks 01496
Signals, Disks, Tellurium oxide, Thin films 01338
Spectral analysis, Noise, Fabry Perot interferometers, Photoemission 00955
Stability, Switching, Optics, Computer aided analysis, Hopf bifurcation theory 05761
Structural analysis, Design, Optimization, Mode selection 07389
Switching, Frequency, Tuning, Channels 07377
Thermal variables control, Peltier effect 04021
Thermal variables measurement, Recombination, Radiative transfer 04020
Titanium, Platinum, Ohmic contacts, Annealing, Blistering 04028
Tuning, Frequency, Modulation, Power 05738
Waveguides, Detectors, Etching, Integrated circuits 04321
Wavelengths, Thermal variables measurement, Refractive indices, InGaAsP/InP 05753

Semiconductors,
Algorithms, Problem solving 04362
Amplifiers, Radio communications, Power supply 00685
Amplifiers, Surface acoustic waves, Numerical analysis 00338
Annealing, Electron guns, Heat treatment 02718
Annealing, Irradiation, Lasers, Ion implantation 02607
Antennae, Millimeter waves, Integrated circuits 08093
Arrays, Integrated circuits, Signal processing, Electron beams 06065
Band gaps, Signal converters, IMPATT diodes, Heterojunctions 01129
Bistability, Charge carriers, Lifetimes, Fabry-Perot devices 09178
Business statistics, Labor relations, Productivity, Dissertation 01107
Cadmium manganese telluride, Cadmium manganese selenide, Photoluminescence 02706
Cadmium manganese telluride, Spectral analysis, Energy bands, Phonons 02705
Carrier density, Carrier mobility, Hall effect, Computer aided analysis 08421
Charge carriers, Diffusion, Schottky diodes, Irradiation 04388
Charge carriers, Lifetimes, Field effect, Relaxation 09544
Charge carriers, Recombination, Photoconductivity, Microwaves, Resonators 03246
Circuitry, Modeling, Field effect transistors, Gallium arsenide 01182
Color, Sensors, Silicon, Photodiodes 08930
Computer graphics, Displays, Portability, Silicon, Transistors 07590
Contacts, Current voltage, Schottky diodes, Charge carriers 01130
Crystal defects, Spectroscopy, Junctions 01137
Crystal growth, Microelectronics, Technological forecasting 02685
Crystal growth, Technological forecasting, Thermal variables measurement 02519
Defects, Current, Amplifiers, EBIC 06886
Detectors, Pulse generation, Current voltage, Waveforms 02721
Dielectric constants, Polarization, Polymers, Dissertation 09184
Diodes, Charge carriers, Service life, Decay, Voltage 02687
Diodes, Lattices, Crystal defects, Capacitance, Measurement 09187
Diodes, Protective circuits, Circuit breakers 04381
Diodes, Pulse generation, Voltage, Current 07543
Diodes, Transistors, Circuitry 04372
Doping, Current, Charge transfer 09193
Doping, Electrical conductivity, Polyphenylacetylene, Dissertation 06726
Doping, Hall effect, Electrical resistance, Temperature, Transport properties 06883
Doping, Photolithography, Integrated circuits, Microelectronics 02830
Doping, Pn junctions, Recombination, Space charge, Computer aided analysis 05911
Electrical conductivity, Cathodes, Emissions, Oxygen 05582
Electrical resistivity, Measurement, Electric fields 05072
Electrochemistry, Photovoltaics, Energy conversion, Numerical analysis 01114
Electrodeposition, Ohmic contacts, Solar cells 00786
Electrodes, Composite materials, Copper, Carbon 05937
Electrodes, Photoelectrochemistry, Coatings 00182
Electrodes, Solar energy, Energy conversion, Electric power generation 05002
Electronic storage, State of the art 02702
Energy conversion, Fiber optics, Vibration, Monitoring, Thin films 07661
Epitaxial growth, Reactors, Design, Technological forecasting 01108
Fabrication, Computer aided design, State of the art 02841
Fabrication, Lasers, Liquid phase epitaxy, Photochemistry 04043
Fabrication, Logic circuits, Electron beam direct writing 02872
Fabrication, Silicon, Doping, Chalcogens 05898
Fabrication, Solar cells, Junctions, Films 00780
Fiber optics, Technology, Signal transmission, Channels, Feedback 04547
Field effect transistors, Channels, Alignment, Fabrication 01198
Field effect transistors, Diffusion, Limiters, Noise 02757
Field effect transistors, Energy bands, Channels 01205
Field effect transistors, Insulators, Fabrication 01187
Field effect transistors, Logic circuits, Beams, Switching, Silicon 07588
Field effect transistors, Logic circuits, Energy loss, Dissertation 01210
Field effect transistors, Logic circuits, Optics, Microwaves 00041
Field effect transistors, Logic, Silicon, Switching, Simulation 02746
Field effect transistors, Modeling 04390
Field effect transistors, Modeling, Bipolar operations 01179
Field effect transistors, Modeling, Fabrication, Optimization, Performance 04422
Field effect transistors, Noise, Chemical vapor deposition, Ion implantation 04408
Field effect transistors, Substrates, Silicon, Ion implantation 01199
Field effect transistors, Switching, Schottky diodes, Illumination 02735
Films, Optical storage, Bubble memory, Disks 01508
Fuses, Rectifiers, Protection 02722
Gallium arsenide, Doping, Avalanche diodes, Fabrication 09188
Gallium arsenide, Field effect transistors, Aerospace engineering, Satellites 01245
Gallium arsenide, Field effect transistors, Doping, Piezoelectricity 08475
Gallium arsenide, Pn junctions, Breakdown, Voltage, Doping 04371
Gases, Molecules, Adsorption, Transport properties 03559
Gases, Sensors, Temperature, Moisture measurement 03544
Gold, Electroplating, Robots 01111
Hall effect, Voltage, Thermal variables measurement, Carrier density 08417

Semiconductors, (continued)
Harmonics, Signal converters, Amplitude, Conductivity 026
Heat treatment, Electron beams, Ion implantation, Annealing 058
Heterojunctions, Interfaces, Microscopy, Synchrotron radiation, Dissertation 027
Heterojunctions, Millimeter waves, MESFET, IMPATT diodes 059
Heterojunctions, Solar cells, Film growth, Evaporation, Dissertation 056
Hydrogen, Deformation, Energy bands, Dissertation 027
Imaging, Masks, Fabrication, Lithography 076
Indium phosphide, Electrooptics, Switching, Dissertation 008
Inductance, Capacitors, Current voltage, Integrated circuits 027
Information retrieval, Data bases, Resource management 058
Infrared, Absorption, Electron density 011
Injection, Numerical analysis 043
Insulators, Fabrication, Mathematical models 091
Integrated circuits, Bipolar transistors, Switching 054
Integrated circuits, Fabrication, Electron beam lithography 058
Integrated circuits, Logic circuits, Charge coupled devices, Charge transfer 012
Integrated circuits, Packaged components, Wire processing, Modular design 012
Integrated circuits, Research and development 026
Integrated circuits, Structural analysis, Design, Simulation, Modeling 043
Integrated circuits, Technological forecasting, Business statistics 045
Integrated circuits, Transistors, Failure, Gold, Corrosion 038
Interfaces, Carrier mobility, Transconductance, Field effect transistors 044
Interfaces, Electrical resistance, Carrier mobility 019
Interfaces, Electrolytes, Solar cells, Performance, Dissertation 072
Interfaces, Energy bands, Photoconductivity, Solar cells 025
Interfaces, Metals, Surface properties, Photodecomposition, Dissertation 068
Interferometers, Reflectors, Switching, Stability, Dissertation 024
Ions, Contamination, Adhesives, Microelectronics 028
Irradiation, Electrons, Switching 011
Junctions, Chemical vapor deposition, Gallium indium arsenide, Solar cells 027
Junctions, Numerical analysis, Potentials, Voltage 026
Lasers, Switches, Gallium arsenide, Electrooptics 025
Layers, Absorption, Numerical analysis 027
Light emitting diodes, Service life, Fiber optics 013
Liquid phase epitaxy, Molecular beam epitaxy, Optics, Microwaves 091
Logic circuits, Field effect transistors, Gallium arsenide, Transconductance 027
Logic circuits, Field effect transistors, Lithography, Fabrication 011
Logic circuits, Gallium arsenide, Research and development, MODFET 092
Magnetics, Plasmas, Surface waves, Wave propagation 016
Mercury manganese selenide, Electron paramagnetic resonance, Microwaves 026
Metal nitride oxide semiconductors, Thermal variables measurement, Voltage 012
Metals, Diodes, Contacts, Current voltage, Barrier heights 075
Metals, Schottky barriers, Junctions, Fabrication, Book 075
Metals, Schottky diodes, Hydrogen, Silicon, Adsorption 075
Microelectronics, Fabrication, Band gaps, Superlattices 075
Microprocessors, Office automation, Telecommunications, Switching 062
Millimeter waves, Noise, Field effect transistors 012
Modeling, Thin films, Solar cells, Current voltage, Numerical analysis 072
Monte Carlo method, Electrons, Software, Dissertation 011
Monte Carlo method, Equations of motion, Numerical analysis 011
Neutrons, Radiation, Damage 011
Noise, Lasers, Modulation, Optical storage, Simulation 090
Nondestructive testing, Surface acoustic waves, Dissertation 091
Numerical analysis, Doping, Bipolar devices, Simulation, Boltzmann equations 011
Numerical analysis, Partial differential equations, Modeling, Software packages 043
Packaged components, Crack propagation, Current density 060
Packaged components, Integrated circuits, Assembling, Reliability 060
Pattern recognition, Vision, Circuitry, Technology, Manufacturing 028
Photoconductivity, Charge carriers, Thermal variables measurement 007
Photodevices, Junctions, Schottky diodes, Dissertation 007
Photoelectric effect, Dielectricity, Microwaves, Bridges 008
Photovoltaic effect, Schottky diodes, Doping, Solar cells 039
Photovoltaics, Electrodes, Energy conversion, Modeling, Dissertation 056
Piezoelectricity, Electrostatics, Electromagnetic waves, Plasmas 032
Piezoelectricity, Plasmas, Indium antimonide, Electromagnetic waves, Acoustics 048
Plasmas, Excitation, Oscillation, Frequency 032
Plasmas, Magnetization, Resonance, Millimeter waves, Wave propagation 000
Plasmas, Stability, Dispersion, Numerical analysis 032
Plasmas, Transport properties, Microwaves, Wave propagation 032
Polarization, Charge density, Electrons, Magnetic fields 011
Polymers, Sensors, Moisture measurement, Product development, Dissertation 010
Potentials, Surface properties, Mathematical models 075
Power systems, Harmonics, Switches, Dissertation 065
Quality control, Testing 026
Quality control, X-rays, Fluorescence, Molding 011
Radiation, Detectors, Cooling systems, Charged particles, Space technology 068
Radio frequency, Electric fields, Field effect transistors, Illumination 008
Reflection, Spectrophotometers 067
Refractive indices, Energy bands, Absorption, Frequency 011
Reliability, Thermal variables control, Failure, Ageing, Testing 052
Research and development, Reliability, Stress, Failure 075
Robots, Vision, Microprocessors, Inspection, Software development 076
Robots, Vision, Sensors, Optics, Materials testing 069
Scanning, Measurement, Mapping, Microprocessors, Control systems 025
Scattering, Acoustics, Magnetoresistance 011
Scattering, Energy bands, Conductivity 000
Schottky diodes, Logic circuits, Photodetectors, Field effect transistors 039
Sensors, Coatings, Electrodes 020
Sensors, Striplines, Electrooptics 008
Service life, Capacitance, Voltage, Decay, Charge carriers 026
Signal processing, Spectroscopy, Numerical analysis 011
Silicon, Doping, Annealing, Power 011
Silicon, Integrated circuits, Radiation, Damage 0114
Simulation, Microelectronics, Fabrication, Process control 0754
Simulation, Software development 0589

conductors, (continued)
ware development, Circuitry, Interference, Thermodynamics, Simulation ... 05894
ar cells, Boundary value problems, Simulation, Modeling, Integral equations ... 07264
ar cells, Contact resistance, Measurement, Metallization ... 07273
ar cells, Design, Etching, III-V compounds ... 07263
ar cells, Etching, Fabrication ... 08876
ar cells, Materials planning and control, Modular design ... 00797
ar cells, Photovoltaics, Solar energy, Energy conversion ... 03939
rk gaps, Ignition, Propulsion, Plasmas, Impedance, Pulse generation ... 02111
ectral analysis, Lasers, Raman scattering, Dissertation ... 01123
ectroscopy, Interfaces, Current, Lasers, Solar cells ... 02496
uctural analysis, Charge carriers, Current voltage, Resistors ... 00725
face acoustic waves, Doping, Dissertation ... 02686
itches, Rectifiers, Converters, Voltage ... 03870
itches, Voltage, Photodiodes, Control systems ... 02491
itching, Bias, Breakdown ... 09202
itching, Integrated circuits, Automatic control, Furnaces ... 02794
ecommunications, Power supply, Control systems, Book ... 08368
in films, Magnetic fields, Optical analysis, Energy bands ... 00319
yristors, Transistors, Integrated circuits, Reliability ... 05900
ansducers, Sensors, Gases, Stannic oxide, Zinc oxide ... 03550
ansducers, Sensors, Integrated circuits, Pressure ... 09130
ansducers, Silicon, Sensors, Reliability ... 05833
ansistors, Charge carriers, Space charge, Schottky diodes ... 01164
ansport properties, Numerical analysis, Newton method ... 07630
ansport properties, Thermodynamics, Coulomb low, Pn junctions ... 01120
nneling, Valence, Charge carriers, Band structure ... 04369
lence, Pn junctions, Electrons, Breakdown, Theoretical analysis ... 01126
ry large scale integration, Circuitry, Technology, Fabrication ... 07620
ave propagation, Gallium arsenide, Lithium niobate, Photoemissions ... 00836
aveguides, Impedance, Frequency, Attenuation, Simulation ... 04312
sitivity,
tennae, Arrays, Signal processing, Adaptive control ... 00058
libration, Wave propagation, Oceanography, Buoys ... 02267
cuitry, Operational amplifiers ... 02424
ult tolerance, Logic circuits ... 00681
lters, Amplifiers, Organization and methods, Theorem proving ... 03784
ters, Circuitry, Signal processing, Graphs, Modeling ... 03787
matology, Flowmeters, Electromagnetic fields ... 00520
egrated circuits, Calibration, Microprocessors, Photodiodes, Range control ... 02490
ototransistors, Optical communications ... 00768
ceivers, Bandwidths, Channels, Fiber optics, Modulation ... 01373
nsors, Magnetic fields, Signal processing ... 01955
gnal detection, Noise, Dissertation ... 01559
perconductivity, Capacitance, Radio frequency, Current voltage ... 04122
perconductivity, Magnets, Solenoids, Acoustic emissions ... 04194
sion, Radiometry, Mapping, Error, Image processing ... 03994
sors,
oustics, Fiber optics, Interferometers, Filters, Lasers ... 07749
oustics, Image processing, Modeling, Signal to noise ratio, Dissertation ... 08470
oustics, Wave propagation, Silicon dioxide, Lithium niobate ... 05121
tuators, Guidance and control systems, Optimization, Position control ... 05235
rcraft, Landing gear, Guidance and control systems, Filters ... 03631
rcraft, Weight measurement, Magnetic variables control, Calibration ... 03649
plifiers, Piezoelectricity, Vibration, Accelerometers ... 00692
tennae, Polarization, Frequency, Electromagnetic fields, Poynting vectors ... 06493
c welding, Robots, Control systems, Feedback ... 02021
tificial intelligence, Robots, Vision ... 02048
mospheric conditions, Satellite communications, Image processing ... 07061
utomation, Machining centers, Robots, Controllers, Programming languages ... 00428
utomotive engineering, Control systems, Computer aided design ... 00617
andwidths, Ion implantation, Np junctions, Solar cells ... 00779
iomedical engineering, Monitoring, Design, Integrated circuits, Dissertation ... 06992
iomedical engineering, Oxygen, Integrated circuits, Photolithography ... 01279
alibration, Fiber optics ... 05597
alibration, Remote sensing, Water color, Radiation, Simulation ... 07053
arbon dioxide, Dissolved oxygen, Monitoring, Fermentation ... 06874
arbon monoxide, Zinc oxide, Single crystals, Electrical conductivity ... 03545
eramics, Research and development, Gas thermosensors ... 04336
eramics, Thermal variables measurement, Transmitters ... 08375
harge coupled devices, Image processing ... 05598
harge coupled devices, Photodiodes, Pattern recognition, Structural analysis ... 04495
harge, ISFET, Field effect transistors, Electrochemistry ... 04426
hemical variables measurement, Flow of gases, Anemometers ... 00361
ircuitry, Controllers, Robots, Assembling, Machining centers ... 00429
ircuitry, Research and development, Channels, Metal oxide semiconductors ... 07507
oil winding machines, Anemometers, Flow of gases, Automotive engineering ... 02003
olor, Semiconductors, Silicon, Photodiodes ... 08930
ombustion, Engines, Controllers, Thin films, Performance ... 07504
ontrol systems, Robots ... 08558
ontrollers, Fettling, Robots ... 00414
ontrollers, Jets, Fluidics ... 00401
ontrollers, Monitoring, Research and development, Bimorphs ... 09147
urrent density, Transmission lines, Measurement errors, Electric fields ... 07476
ata bases, Petrochemical industry, Image processing ... 00531
ensity, Gases, Crystals, Harmonics ... 03543
etection, Signal processing, Estimation, Bias, Performance ... 05101
etectors, Infrared, Research and development, Heat transfer, Buildings ... 03450
etectors, Lead, Salts, Performance ... 06787
ielectrics, Measurement, Coaxial cables ... 04305
ielectrics, Pressure measurement, Impact testing ... 01081
lectric variables control, Alloys, Nickel, Iron, Materials testing ... 04337
lectromagnetics, Calibration, Ultrasonics, Vibration ... 00330
lectronic equipment, Instrumentation, Hygrometers, Humidity ... 03549
lectrostatics, Capacitance, Electric variables measurement, Instrumentation ... 06792
ncoding, Fiber optics, Signal transmission, Position control, Reliability ... 03569

Sensors, (continued)
Estimation, Guidance and control systems, Filters, Simulation, Partitioning ... 06282
Estimation, Time measurement, Delay, Signal to noise ratio, Data compression ... 06320
Fiber optics, Communication networks, Integrated systems, Interfaces ... 04551
Fiber optics, Communication networks, Technology, Industry ... 04340
Fiber optics, Data transmission, Industry, Circuitry, Military ... 04552
Fiber optics, Design, Fabrication ... 07730
Fiber optics, Design, Geophysics ... 07746
Fiber optics, Electric fields, Piezoelectricity, Polymers ... 01358
Fiber optics, Electronic equipment, Automation ... 07695
Fiber optics, Lasers, Flow, Measurement, Simulation ... 04341
Fiber optics, Microwave devices, Noise, Signal processing, Radar ... 06160
Fiber optics, Nondestructive testing, Product development ... 01318
Fiber optics, Research and development, State of the art ... 07713
Fiber optics, Ships, Remote sensing, Optical communications, Standards ... 07708
Fiber optics, Signal processing, Data transmission ... 02662
Fiber optics, Thermal variables measurement, Technology, Multiplexing ... 03414
Fiber optics, Thermal variables measurement, Transformers, Data collection ... 06569
Fiber optics, Valves, Light scattering ... 01377
Films, Automotive industry, Pressure measurement, Control systems ... 04338
Films, Thermodynamics, Simulation, Modeling, Materials testing ... 07463
Filters, Tracking, Data transmission, Synchronization ... 05440
Flow, Anemometers, Thermal conductivity, Heat transfer, Silicon ... 06866
Flowmeters, Calibration, Performance, Cryogenics, Liquids ... 03548
Fluorescence, Ions, Concentration, Measurement ... 08889
Force, Strain, Measurement ... 08387
Gases, Absorption, Measurement, Fiber optics ... 09329
Gases, Electric variables control, Metals, Oxidation, Conductivity ... 07506
Gases, Metal oxide semiconductors, Electrical conductivity ... 08419
Gases, MOSFET, Transistors, Performance ... 09214
Gases, Oxides, Thermal variables measurement, Chemical variables measurement ... 08376
Gases, Phthalocyanine, Films, Electrical conductivity, Nitrogen dioxide ... 03541
Gases, Stannic oxide, Zinc oxide, Semiconductors, Transducers ... 03550
Gases, Surface properties, Platinum, Palladium, Service life ... 03552
Gases, Tin dioxide, Electrical conductivity, Temperature ... 03542
Gases, Tin dioxide, Sintering, Annealing ... 08494
Generators, Hydroelectric power generation, Fiber optics, Air gaps ... 01703
Geothermal energy, Carbon dioxide, Fluid mechanics ... 00368
Ground support systems, Vibration, Flight control systems ... 02090
Guidance and control systems, Military aircraft, Speech synthesis, Testing ... 06950
Guidance and control systems, Performance, Testing, Design, Spacecraft ... 05271
Guidance and control systems, Technological forecasting, Training, Missiles ... 00493
Heat, Strain, Thin films, Transducers, Integrated circuits ... 04331
Humidity, Stability, Corrosion, Circuitry, Impedance ... 02663
Image processing, Parameter estimation, Optics ... 02570
Image processing, Satellite communications, Algorithms, Agriculture, Forestry ... 05356
Imaging, Performance, Vidicons ... 05163
Impedance, Nuclear reactors, Two phase flow, Measurement, Velocity ... 00190
Inductance, Position control, Modeling, Finite element method ... 07520
Infrared, Pressure measurement, Thermal variables control ... 03451
Infrared, Thermal variables measurement, Instrumentation ... 09068
Instrumentation, Calibration, Inspection, Accelerometers ... 06864
Instrumentation, Meteorology, Software packages, Data collection ... 05372
Instrumentation, Thermal variables measurement, Monitoring, Sensitivity ... 03419
Kalman filters, Tracking, Position control ... 09493
Lasers, Fiber optics, Pressure, Thermal variables measurement ... 06136
Lasers, Inspection, Vessels, Steelmaking ... 00396
Magnetic fields, CMOS, Transistors, Polysilicon ... 03499
Magnetic fields, Signal processing, Sensitivity ... 01955
Magnetic variables measurement, Underwater technology, Hydrodynamics, Flow ... 03495
Magnetics, Diodes, Noise, Degradation, Temperature ... 05910
Magnetics, Fabrication, Transistors, Doping, Hall effect ... 06831
Measurement, Acoustics ... 03514
Measurement errors, Gyroscopes, Guidance and control systems, Spacecraft ... 02091
Mechanical handling, Production control, Artificial intelligence, Robots ... 00415
Mechanical handling, Robots, Conveyors, Cameras, Vision ... 02034
Metal insulator semiconductors, Field effect transistors, Logic circuits ... 04405
Metal oxide semiconductors, Transistors, Charge, Chemical variables measurement ... 09215
Metering, Power systems, Microwaves, Product design ... 01644
Michelson interferometers, Lasers, Tuning, Theoretical analysis ... 07337
Microcomputers, Cathode ray tubes, Probes, Reliability, Light pens ... 03955
Military aircraft, Missiles, Nuclear energy, Weapons, Research and development ... 05286
Military engineering, Missiles, Guidance and control systems, Technology ... 05284
Moisture measurement, Automatic control, Ceramics ... 02005
Moisture measurement, Polymers, Semiconductors, Product development ... 01077
Moisture measurement, Precision engineering, Measurement errors ... 06872
Neurophysiology, Magnetic fields, Superconductivity, Medical research ... 04113
Oceanography, Magnetic fields, Conductivity, Packaged components, Distortion ... 01607
Optics, Arc welding, Optimal control ... 00443
Optics, Image processing, Pattern recognition ... 00413
Optics, Measurement, Hydrogen ions ... 07296
Optics, Metals, Films, Gases, Surface plasmon resonance ... 03546
Optics, Telescopes, Radiation, Tracking, Automation ... 05847
Pattern recognition, Color, Automation engineering ... 05227
Phase locked loops, Modulation, Lasers, Measurement, Image processing ... 07428
Photodevices, Liquid crystals, Light valves, Displays, Image processing ... 02532
Piezoelectricity, Ultrasonics, Amplitude, Magnetometers ... 06839
Position control, Computer aided control, Work holders, Arc welding ... 00446
Position control, Electrooptics, Circuitry, Space technology ... 08610
Pressure, Amplifiers, Capacitance, Signal processing ... 02671
Pressure, Integrated circuits, Bipolar transistors, Piezoresistivity ... 02628
Pressure measurement, Silicon ... 03426
Pressure, Oceanography, Wave propagation, Measurement errors ... 02271
Pressure, Piezoresistivity, Biomedical engineering ... 08627
Pressure, Polysilicon, Resistors, Lasers, Crystallization ... 08850
Pressure, Product development, Composite materials ... 01887

Sensors, (continued)
- Pressure, Quartz, Resonators, Frequency, Vibration ... 08425
- Pressure, Silicon, Performance, Voltage, Current ... 08384
- Pressure, Transducers, Computer aided control, Precision engineering, Testing ... 08390
- Probes, Nuclear reactors, Pressure vessels, Corrosion, Boilers ... 03288
- Pulse generation, Charge, Satellites, Specifications ... 02109
- Pyroelectricity, Ions, Etching, Lithium niobate ... 02633
- Pyroelectricity, Preamplifiers, Capacitance, Noise ... 02634
- Radar, Measurement, Scheduling, NP completeness, Dissertation ... 07875
- Radiation, Dosimetry, Fiber optics ... 07726
- Relays, Switches, Precision engineering ... 09129
- Robots, Artificial intelligence, Automatic control, Assembling ... 00405
- Robots, Artificial intelligence, Mechanical handling, Vision ... 06908
- Robots, Construction Machinery ... 00404
- Robots, Control systems, Mechanical handling, Vision, Research and development ... 05212
- Robots, Embedding, Magnetization, Reliability ... 05233
- Robots, Flexible manufacturing systems, Assembling, Design, Vision ... 06919
- Robots, Industry, Vision, Technology, Research and development ... 05185
- Robots, Manufacturing, Automotive industry, Technology ... 00424
- Robots, Mechanical handling, Vision ... 08279
- Robots, Technology, Assembling, Research and development ... 06932
- Robots, Vision, Mechanical handling, Automation, Guidance and control systems ... 00440
- Robots, Vision, Semiconductors, Optics, Materials testing ... 06911
- Robots, Welding, Pattern recognition, Digitizing, Nondestructive testing ... 02020
- Rotating bodies, Gyroscopes, Interferometers, Fiber optics, Dissertation ... 04545
- Schottky diodes, Fabrication, Optics, Detection, Dynamics ... 07267
- Semiconductors, Coatings, Electrodes ... 02002
- Semiconductors, Gases, Temperature, Moisture measurement ... 03544
- Semiconductors, Transducers, Integrated circuits, Pressure ... 09130
- Signal processing, Memory, Identification, Feature extraction, Pipelines ... 06338
- Signal processing, Microprocessors, Digital to analog conversion, Frequency ... 06735
- Signal reception, Emitters, Simulation ... 06322
- Signal to noise ratio, Image processing, Scanning, Landsat-4 ... 08658
- Silicon, Films, Structural analysis, Acoustics, Frequency ... 06848
- Silicon, Magnetic fields, Transistors, Pn junctions ... 06836
- Silicon, Pressure measurement, Integrated circuits, Piezoresistivity ... 02627
- Space technology, Missiles, Height measurement, Pressure measurement ... 08599
- Spacecraft, Guidance and control systems, Simulation, Filters, Synchronization ... 06281
- Spacecraft, Instrumentation, Simulation, Electronic equipment ... 08598
- Statistical analysis, Position control, Uncertainty, Error ... 04334
- Striplines, Semiconductors, Electrooptics, Gallium arsenide ... 00807
- Surface acoustic waves, Acoustic variables measurement, Fiber optics ... 04344
- Surface acoustic waves, Ultrasonics, Piezoelectricity, Dissertation ... 05125
- Surface properties, Transducers, Robots, Optics, Assembling ... 07512
- Synchronous motors, Torque, Voltage, Commutation ... 06540
- Technology, Research and development, Fiber optics, Interferometers ... 03949
- Thermal variables measurement, Flux, Calibration ... 03413
- Thermal variables measurement, Heat transfer, Measurement, Convection ... 03412
- Thermal variables measurement, Probes, Reliability ... 08382
- Thermal variables measurement, Product development, Nondestructive testing ... 02631
- Thermal variables measurement, Sensitivity, Reliability ... 03422
- Thermometers, Thermal insulation, Performance, Research and development ... 03417
- Thermometers, Thermocouples, Optimization ... 05036
- Transducers, Biomedical electronics ... 09131
- Transducers, Magnetic variables measurement, Films, Flow ... 07503
- Transducers, Magnetics, Charge carriers, Electric fields ... 05846
- Transducers, Semiconductors, Silicon, Reliability ... 05833
- Tubes, Work holders, Robots, Precision engineering, Force ... 00423
- Ultrasonics, Acoustics, Instrumentation, Inspection, Materials testing ... 05104
- Ultrasonics, Distance measurement, Transducers ... 08469
- Underwater technology, Unmanned vehicles, Surface craft, Data transmission ... 07043
- Unmanned vehicles, Manipulators, Underwater technology ... 07046
- Vision, Artificial intelligence, Robots, Pattern recognition ... 00407
- Voltage, Insulators, Interfaces, Energy bands, Electrolytes ... 00723
- Voltage, Surface acoustic waves, Polarization, Thermal variables measurement ... 01986
- Wave propagation, Oceanography, Buoys, Measurement errors ... 02269
- Waveguides, Coupling, Fiber optics, Polarization ... 07486
- Waveguides, Millimeter waves, Missiles, Guidance and control systems ... 00494
- Wear, Machine tools, Optimal control, Dissertation ... 01071
- Weighting, Calibration, Computer aided control ... 01998

Service life,
- Ageing, Connectors, Networks, Telecommunications ... 02468
- Batteries, Thermal variables measurement, Materials testing, Rubber ... 00187
- Buses, Silicon, Computer aided control, Metal oxide semiconductors, Capacitance ... 00732
- Capacitance, Semiconductors, Voltage, Decay, Charge carriers ... 02688
- Capacitors, Metal oxide semiconductors, Materials planning and control, Silicon ... 02478
- Charge density, Charge carriers, Semiconductor lasers ... 04011
- Decay, Voltage, Charge carriers, Semiconductors, Diodes ... 02687
- Dielectrics, Cables, Extrusion, Moisture control ... 08849
- Electric motors, Petrochemical industry, Bearings, Reliability, Failure ... 04876
- Electric power apparatus, Aircraft, Costs ... 08587
- Electric power transmission, Cables, Thermal insulation, Water, Polymers ... 04917
- Electrodialysis, Polarization, Electrodes, Desalination ... 02321
- Energy storage components, Batteries, Computer aided analysis ... 03324
- Fatigue, Fiber optics, Bending, Cables ... 01343
- Fatigue, Soldering, Printed circuit boards, Packaged components ... 02789
- Fiber optics, Bending, Fatigue, Stress corrosion cracking ... 07697
- Fluorescence, Optical systems, Design, Optimization ... 03959
- Heterostructure lasers, Statistical analysis, (Al,Ga)As/GaAs ... 00948
- Hydroelectric power generation, Generators, Project engineering, Modernization ... 00084
- Junctions, Charge carriers, Solar cells, Short circuits ... 02499
- Junctions, Photovoltaics, Charge carriers ... 00789
- Microelectronics, Metal oxide semiconductors, Reliability, CMOS ... 04423
- Military engineering, Weapons, Reliability, Guidance and control systems ... 00500
- Nondestructive testing, Holography, Arc welding, Stress ... 02567
- Performance, Maintenance, Batteries ... 01804

Service life, (continued)
- Power plants, Electric power generation, Turbogenerators, Boilers ... 0
- Reliability, Maintenance, Power plants, Generators, Rotors ... 0
- Reliability, Stress, Failure ... 0
- Semiconductor lasers, Gallium aluminum arsenide, Testing, Degradation ... 0
- Semiconductors, Light emitting diodes, Fiber optics ... 01
- Signal converters, Filters, Transmission lines ... 0
- Spark gaps, Voltage, Frequency, Current ... 0
- Stress, Acoustic emissions, Compression testing, Capacitors ... 0
- Thin films, Capacitors, Voltage, Testing ... 0
- Transformers, Design, Manufacturing, Economics, Reliability ... 04
- Transmission lines, Voltage, Breakdown, Polymers ... 0
- Voltage, Metal oxide semiconductors, Capacitors ... 0

Service vehicles,
- Electric vehicles, Magnetic variables control, Motor vehicle suspension ... 0

Servomechanisms,
- Cardiovascular system, Pumps, Biomedical engineering, Dissertation ... 0
- Computer aided design, Circuitry, Microcomputers, Feedback, Reliability ... 0
- Control systems, Memory, Resistance, Electric variables measurement ... 0
- Current, Control systems, Semiconductor lasers ... 04
- Drives, Controllers, Failure, Velocity ... 0
- Dynamics, Control systems, Drives ... 01
- Machine tools, Tracing, Economics, Reliability, Modeling ... 0
- Motors, Velocity, Voltage, Nondestructive testing, Electromotive force ... 0
- Optical storage, Disk drives, Design, Performance, Actuators ... 0
- Robots, Manipulators, Control systems, Actuators, Numerical analysis ... 0
- Rolling mills, Pressure, Automatic control, Gauges, Hydraulic control equipment ... 01
- Scanning electron microscopy, Hydraulic control equipment, Fatigue ... 01

Servomotors,
- Control systems, Velocity control, Simulation ... 06

Shafts,
- Oscillation, Repair, Hydroelectric power generation, Stiffness, Generators ... 01
- Torsion, Electric power apparatus, Oscillation ... 01
- Turbines, Hydroelectric power generation, Rotors ... 00

Sheet metalworking,
- Flexible manufacturing systems, Technological forecasting, Lasers ... 02

Shielding,
- Antennae, Tokamaks, Heating systems, Optimization ... 06
- Energy storage components, Superconductivity, Pulse generation, Solenoids ... 04
- Insulators, Transformers, Noise abatement, Damping ... 01
- Iron, Thermal insulation, Solenoids, Superconductivity, Magnets ... 04
- Magnetic fields, Numerical analysis ... 06
- Magnetics, Design, Magnetohydrodynamics, Energy conversion ... 06
- Noise abatement, Jet engines, Frequency, Attenuation, Dissertation ... 00
- Short circuits, Buses, Phase shifts, Amplitude, Current ... 00
- Superconductivity, Tunnel junctions, Fabrication, Josephson junctions ... 04

Shift registers,
- Circuitry, Fault detection, Self-checking circuits ... 07
- Counters, Metal oxide semiconductors, Microelectronics ... 07
- Data collection, Recording systems, Displays, Reliability ... 00
- Integrated circuits, Charge coupled devices, Dissipation ... 02
- Interferometers, Josephson junctions, Flux, Magnetic fields ... 01
- Josephson effect, Magnetics, Flux, Computer applications ... 07
- Modems, Circuitry, Data transmission, Signal processing, Synchronization ... 03

Ships,
- Aircraft, Technology, Cost benefit analysis, Navigation ... 04
- Electromagnetic waves, Antennae, Radiation, Signal transmission ... 01
- Gauges, Safety systems, Antennae, Structural analysis, Sonar ... 04
- Marine engineering, Control systems, Engines, Propulsion, Automation ... 02
- Marine engineering, Guidance and control systems, Optimal control ... 05
- Meteorology, Drilling, Computer aided control, Risk assessment, Ice ... 00
- Navigation, Information retrieval, Marine engineering, Harbor installations ... 03
- Navigation, Remote sensing, Shipboard equipment, Radar ... 09
- Navigation, Systems design, Safety systems ... 04
- Personal computers, Instrumentation, Algorithms, Functions, Navigation ... 03
- Radar, Marine engineering, Accidents ... 047
- Satellites, Antennae, Bandwidths, Frequency ... 01
- Shipbuilding, Production planning, Submarines, Military engineering ... 021
- Shipbuilding, Remote control, Underwater technology, Oil exploration ... 054
- Telecommunications, Cables, Machinery, Construction, Denmark ... 03
- Telecommunications, Satellites, Microprocessors, Safety systems ... 014
- Televisions, Color, Standards ... 077
- Word processing, Data processing, Electronic mail, Communication networks ... 030

Shock control,
- Vibration, Trajectory, Iteration method ... 019

Shock measurement,
- Mechanical variables measurement, Oscilloscopes ... 018

Shock waves,
- Density, Interferometry, Aerodynamics, Shear strength ... 008
- Energy storage components, Calibration, Aerodynamics, Flight control systems ... 004
- Pulse generation, Conductors, Explosions, Wave propagation ... 038
- Supersonic flow, Magnetohydrodynamics, Pressure ... 017
- Thermal variables measurement, Seals, Microelectronics, Materials testing ... 027

Short circuits,
- Buses, Shielding, Phase shifts, Amplitude, Current ... 001
- Cadmium sulfide, Solar cells, Doping, Indium ... 033
- Current density, Magnets, Energy storage components, Switches ... 038
- Current density, Silicon, Solar cells, Service life ... 024
- Electromagnetics, Force, Oscillation, Buses, Design ... 065
- Electron beams, Current, Solar cells, Scanning electron microscopy ... 025
- Fault detection, Electrodes, Magnetohydrodynamics, MHD generators ... 001
- Frequency, Impedance, Synchronous machines, Velocity, Systems analysis ... 016
- Gallium arsenide, Solar cells, Protons, Irradiation ... 056
- Integrated circuits, Transmission lines, Superconductors, Magnetic fields ... 042
- Logic circuits, Thyristors, Current ... 011
- Magnets, Superconductivity, Solenoids, Magnetic fields ... 041

t circuits, (continued)
lymers, Insulators, Surface properties, Voltage 04934
wer systems, Fault tolerance, Simulation 08181
icon, Color, Sensors, Photodiodes, Integrated circuits 08930
icon, Dielectrics, Diodes, Testing, Electrophotography 05882
icon, Diodes, Solar cells, Recombination 07270
icon hydride, Thin films, Solar cells, Absorption, Optical analysis 05001
icon, Solar cells, Charge carriers, Lifetimes 05630
icon, Solar cells, Illumination, Dislocations, Injection 05639
lar cells, Current, Simulation 07278
lar cells, Nondestructive testing, Current voltage, Wavelengths, Diffusion 02501
lar cells, Photovoltaics, Concentrators, Thermal variables measurement 05655
lar cells, Schottky diodes, Barrier heights, Voltage, Al-P-N 00798
perconductors, Solenoids 04141
nchronous machines, Simulation, Electric variables control 04865
ltage, Solar cells, Silicon, Photoelectric effect 00787
al converters,
mplitude, Conductivity, Semiconductors, Harmonics 02694
idges, Control systems, Voltage, Harmonics, Filters 07216
idges, Transmission lines, Harmonics, Interference 01037
il winding machines, Power supply, Pulse generation, Waveforms 00068
ntrol systems, Current, Pulse generation, Channels 00118
ters, Capacitance, Amplifiers, Noise, Dissertation 05480
lters, Service life, Transmission lines 02635
PATT diodes, Band gaps, Semiconductors, Heterojunctions 01129
jection, Current voltage, Josephson junctions, Logic circuits 04078
sulators, Sulfur fluoride, Electric power generation 01719
tegrated circuits, Data communications, Microwaves, Ultrahigh frequency 01645
tegrated circuits, Filters, Networks 07147
terfaces, Metal oxide semiconductors, Analog to digital converters 01265
verters, Logic circuits, Semiconductor lasers, Electrooptics 04010
gic circuits, Motors, Frequency, Power supply, Thyristors 00072
gic circuits, Superconductivity, Analog to digital converters, Fabrication 04095
agnets, Current voltage, Power supply, Superconductivity 04287
ixers, Frequency, Lasers 00906
ixers, Superconductivity, Josephson junctions 03873
adio frequency, Antennae, Millimeter waves, Mixers 04849
ectifiers, Superconductivity, Solenoids, Transformers 04288
ignal processing, Dividers, Multipliers, Frequency 07215
tructural analysis, Metal oxide semiconductors, Transistors, Switching 01239
uperconductivity, Analog to digital converters, Logic circuits 04092
ermal variables measurement, Charge, Thermionic devices 02618
ansformers, Superconductors, Couplers, Inductance 04268
unnel junctions, Noise, Switching, Superconductivity, Josephson junctions 04177
unnel junctions, Signal processing, Sensitivity analysis, Noise 04188
unnel junctions, Voltage, Resistors, Superconductivity 04172
ave propagation, Plasmas, Electromagnetic waves, Electron beams 00034
ave propagation, Radiation, Image processing 04816
nal detection,
ackscattering, Interferometers, Reflection, Doppler shift 04560
hannels, Phase shift keying, Modulation, Receivers, Error 01558
hannels, Satellite communications, Noise, Dissertation 01580
elay, Acoustooptics, Spectral analysis 00849
elay, Gain, Simulation, Cross-correlation method 03148
iltering, Pattern recognition 06384
ilters, Transfer functions 05469
nterference, Electromagnetics 06410
nterference, Parameter estimation 01549
Noise, Parameter estimation 01555
Noise, Performance, Minimax 09534
Noise, Resolution, Spectral analysis 03820
Noise, Restoration, Modeling 03121
Noise, Robustness, Modeling 01538
Noise, Sensitivity, Numerical analysis, Dissertation 01559
Noise, Simulation, Autoregressive analysis 03112
Noise, Spread spectrum communications, History 02887
Optimization, Duobinary signaling 06348
Quantization, Noise, Filters 03122
Radar, Asymptotic behavior 04719
Radar, Quantization 06337
Radar, Simulation, Monte Carlo method 07870
Radar, Simulation, Resolution 04720
Radio communications, Filtering, Noise 03189
Segmentation, Simulation, Spectral analysis 01550
Segmentation, Spectral analysis, Simulation 06341
Testing, Truncation 07978
gnal processing,
Acoustic emissions, Amplitude, Nondestructive testing, Spatial measurement 01989
Acoustic emissions, Velocity, Magnetic tape, Recording systems 01981
Acoustics, Echoes, Computer aided analysis, Dissertation, Kalman filters 06858
Acoustics, Meteorology, Waves, Frequency, Wind 06850
Acoustics, Nondestructive testing 01976
Acoustics, Optics, Lasers, Waves 09540
Acoustics, Wave propagation, Diodes, Dissertation 08471
Adaptive arrays, Antennae, Adaptive control 03248
Algebra, Arrays, Noise, Maximum likelihood estimation 06310
Algorithms, Amplifiers, Software development, Controllers 07902
Algorithms, Circuitry, Frequency 08791
Algorithms, Entropy, Spectral analysis, Estimation, Functions 04757
Algorithms, Extrapolation, Sequences 03136
Algorithms, Filtering, Multivariate analysis, Estimation, Modeling 06383
Algorithms, Filters 04754
Algorithms, Hilbert space theory 09525
Algorithms, Lattices, Filters, Interpolation 07889
Algorithms, Multipliers, Error 04762
Algorithms, Quadratic programming 04765

Signal processing, (continued)
Amplification, MTOS, Junctions, Dissertation 05975
Amplifiers, Circuitry, Voltage, Mathematical models, Education 07189
Amplifiers, Millimeter waves, Waveguides, Gyrotrons 07194
Amplifiers, Switches, Comparators, Voltage, Low-pass filters 07193
Amplitude, Channels, Satellite communications, Bandwidths, Feedback 01413
Amplitude, Modulation, Weighting, Phase shift keying 07981
Amplitude, Statistical analysis, Noise, Networks, Radio communications 04526
Analog systems, Superconductors, Materials planning and control 04744
Analog to digital conversion, Current voltage 06314
Analog to digital conversion, Integrated circuits, Flip flops, Counters 04061
Analog to digital conversion, Read only memory, Successive-approximation A/D 03751
Analog to digital converters, Circuitry, Power supply, Design, Dissertation 05806
Analog to digital converters, Design, Amplifiers, Bipolar devices 08832
Analog to digital converters, Time measurement 06870
Analog to digital converters, Time measurement 06871
Anemometers, Velocity, Measurement, Flow, Lasers 03537
Antennae, Arrays, Adaptive control, Computer aided analysis 00058
Antennae, Arrays, Adaptive control, Phase locked loops, Dissertation 01522
Antennae, Arrays, Feedback, Control systems, Least squares estimation 00055
Antennae, Arrays, Spectral analysis, Dissertation 01561
Antennae, Channels, Error, Arrays, Interference 06480
Antennae, Design, Computer aided analysis 06489
Antennae, Frequency, Research and development 06495
Antennae, Noise, Channels 06496
Antennae, Noise, Computer aided analysis 06484
Antennae, Radios, Noise, Mobile systems, Modeling 07840
Antennae, Signal to noise ratio, Jamming, Dissertation 08098
Antennae, Voltage, Arrays, Decomposition, Numerical analysis 04836
Arithmetic circuits, Filtering, Pipelining, Time measurement 07648
Arrays, Electron beams, Fault detection, Semiconductors, Integrated circuits 06065
Arrays, Filters, Feedback, Channels, Dissertation 03166
Arrays, Multiplexers, Charge coupled devices 09270
Arrays, Phase shifts, Phase locked loops, Multipliers, Frequency, Dissertation 01521
Asymptotic behavior, Channels, Noise, Functions, Numerical analysis 01568
Atmospheric conditions, Lidar, Frequency, Sounding, Numerical analysis 08051
Audio systems, Circuitry, Computer aided analysis, Quality control, Technology 07853
Audio systems, Noise, Integrated circuits, Amplifiers, Filtering 03072
Audio systems, Recording systems, Density, Frequency, Research and development 03081
Autoregressive analysis, Spectral analysis, Estimation, Noise 01542
Bathymetry, Sonar, Scanning, Optics, Displays 06307
Biomedical engineering, Data collection, Coding, Minicomputers 05308
Broadcasting, Satellite communications, Noise, Receivers, Antennae 07802
Broadcasting, Satellite communications, Receivers, Modulation, Televisions 01381
Broadcasting, Technology, Systems design, Customer services, Modeling 01313
Cameras, Color, Lenses, Diodes, Circuitry 02917
Cancelers, Interference, Arrays 04789
Capacitance, Storage, Amplifiers, Pressure, Dissertation 02671
Capacitors, Analog to digital converters, Switching, Voltage, Amplifiers 03879
Channels, Error, Probability, Fading, Interference 06318
Channels, Radio frequency, Bandwidths, Multiplexing, Dissertation 07972
Channels, Speech transmission, Interference 07854
Channels, Stability, Packet switching, Dynamics, ALOHA 03164
Charge coupled devices, Time measurement, Architecture 05513
Chebyshev polynomials, Approximations, Algorithms, Computer programs, Filters 02353
Chemical lasers, Power, Modeling 07411
Circuitry, Architecture, Concurrency, Dissertation 04451
Circuitry, Design, Metal oxide semiconductors, Transistors 05927
Circuitry, Fault detection, Testing, Voltage, Multiprocessors 06573
Circuitry, Filters, Time measurement 05462
Circuitry, Frequency, Noise, Covariance, Modeling 07913
Circuitry, Modeling, Semiconductors, Field effect transistors, Gallium arsenide 01182
Circuitry, Noise 09547
Circuitry, Noise, Distortion, Numerical analysis, Filters 00102
Circuitry, Petri nets, Modeling, Probability, Stochastic processes 03823
Circuitry, Random access memory, Gallium arsenide, Fabrication 04459
Circuitry, Spectral analysis, Density, Polynomials, Filters 09532
Circuitry, Switching, Capacitors, Filters, Design 05486
Classification, Pattern recognition, Artificial intelligence 06340
Clinical medicine, Medical electronics, Cardiovascular system 03673
Codes, Modulation, Amplitude 07992
Coding, Channels, Demodulation, Noise, Density 09555
Coding, Channels, Probability 06377
Coding, Error, Performance, Decoding 07956
Coding, Frequency, Phase shift keying, Amplitude, Waveforms 03174
Coding, Integrated circuits, Filters, Televisions, Modulation 02946
Coding, Orthogonality, Gain, Communications 07962
Coding, Pulse code modulation, Estimation, Filtering, Simulation 07965
Coding, Sequences, Estimation, Pulse code modulation, Redundancy 04792
Coding, Speech transmission, Filters, Data compression 03176
Coding, Televisions, Color, Error correcting codes, Automation 01566
Color, Televisions, Integrated circuits, Filtering, Coding 02958
Color, Video systems, Image processing, Coding 07711
Communication networks, Computer aided control, Research and development, ISDN 07947
Communication networks, Control systems, Standards, Interference 02891
Communication networks, Distortion, Minimization, Channels, Adaptive equalizers 03125
Communication networks, Filters, Performance, Channels, Noise 01546
Communication networks, Switching, Telephones, Technological forecasting 07998
Communication networks, Synchronization, Channels, Coding 03130
Communication networks, Telephones, Mobile systems, Cells 01312
Communication networks, Telephones, Packet switching, Loops, Videotex 04660
Communications, Filters, Amplifiers 05454
Communications, Phase locked loops, Tangent discriminator 09473
Computer aided analysis, Kalman filters, Thin films, Coatings, Film growth 07896
Computer aided control, Scanning, Thermal variables measurement, Automation 02007
Computer programs, Gallium arsenide, Random access memory, Standby systems 03750

Signal processing, (continued)
Conferencing circuits, Amplifiers, Feedback, Voltage 03849
Control systems, Design, Parameter estimation, Feedback, Differentiation 06342
Control systems, Testing, Networks, Circuitry 07167
Controllers, Filters, Scaling, Roundoff noise 04767
Converters, Frequency, Synchronization, Coding, Error 05543
Current, Metal insulator semiconductors, Conductivity 02717
Damping, Transmission, VAR compensators 08229
Data compression, Spectral analysis, Modeling, Prediction 03132
Data transmission, Channels, Estimation, Radios, Simulation 07679
Data transmission, Channels, Synchronization, Satellite communications 02000
Data transmission, Fourier transforms 01554
Data transmission, Frequency, Channels, Radio communications 01314
Data transmission, Laguerre adaptive equalizers 04642
Data transmission, Parameter estimation, Fault detection, Switching 01570
Decoding, Modulation 06378
Deconvolution, Distortion, Seismology, Filtering, Dissertation 04774
Decoupling, Potentials, Amplifiers 03838
Delay, Excitation, Pulse generation, Photoelectric effect, Emissions 02524
Delay, Metal oxide semiconductors, Field effect transistors 01216
Delay, Paper industry, Nondestructive testing, Filtering, Simulation 04750
Density, Bones, Light scattering, Computed tomography 00505
Detection, Poisson processes, Functions, Problem solving, Protocols 06335
Digital systems, Filters, Synchronization, Multiplexing, Circuitry 09550
Digital to analog converters, Residue Number System 03876
Distortion, Bipolar transistors, Pnp junctions 01162
Distributed systems, Filters, Structural analysis, Arithmetic 00636
Dosimetry, Portability, Monitoring, Radiation 05161
Echoes, Ultrasonics, Spectroscopy, Nondestructive testing, Bonding 03509
Eddy current, Impedance, Nondestructive testing, Dissertation 01915
Electric power distribution, Loading, Forecasting, Computer aided analysis 01860
Electric power transmission, Measurements, Transmission lines, Circuitry 09091
Electromagnetic fields, Waveguides, Wave propagation, Classification 03477
Electromagnetic waves, Atmospheric conditions, Numerical analysis 03227
Electromagnetics, Communications, Noise, Computer aided analysis, Dissertation 09306
Electromagnetics, Interference, Simulation 08016
Electromagnetics, Noise, Measurement 07886
Electron beams, Magnetic fields, Circuitry, Traveling wave tubes, Gyro-TWT 08860
Electronic equipment, Acoustic emissions, Monitoring, Simulation 01988
Entropy, Estimation, Autocorrelation functions, Reliability, Spectral analysis 09535
Error, Channels, Antennae, Reliability 07907
Error, Delay, Detection, Filters, Frequency 03192
Error, Probability, Communication networks, Performance, Noise 07820
Error, Quantization, Distributions, Graphs, Output 07906
Estimation, Amplitude, Noise, Bayesian analysis, Modeling 03118
Estimation, Extrapolation, Time measurement, Optimization, Noise 07887
Estimation, Markov processes, Noise, Filters, Smoothing 07808
Excitation, Fiber optics, Multiplexing, Dissertation 06162
Extrapolation, Noise, Modeling 04768
Fading, Radio communications, Microwave radiation 01639
Feedback, Channels, Access, Codes, Noise 09564
Fiber optics, Cables, Communications, Technology, Research and development 06137
Fiber optics, Data transmission, Sensors 02662
Fiber optics, Data transmission, Systems design, Software 01341
Fiber optics, Gyroscopes, Wavelengths, Modulators, Frequency 07747
Fiber optics, Integrated circuits, Data transmission, Waveguides 01335
Fiber optics, Microwave devices, Noise, Sensors, Radar 06160
Fiber optics, Receivers, Design, Testing 06154
Fiber optics, Semiconductor lasers, Data transmission 02594
Fiber optics, Speech transmission, Multiplexing 09333
Field effect transistors, Gallium arsenide, Amplifiers 03003
Filtering, Algorithms 09589
Filtering, Algorithms, Convergence, Sequences, Wiener Hopf equations 07971
Filtering, Delay, Transmission lines, Superconductivity, Analog systems 04056
Filtering, Iteration, Convergence, Stability, Dissertation 02363
Filtering, Microelectronics, Throughput 06039
Filtering, Microprocessors, Modems 02307
Filtering, Parameter estimation, Noise, Modeling 04764
Filtering, Pulses, Transmission, Radar 01527
Filtering, Random variables, Dynamical systems, Structural analysis 09543
Filtering, Robustness, Input, Channels, Distortion 09565
Filtering, Sonar, Simulation 09590
Filters, α-trimmed means 05456
Filters, Algorithms, Convergence, Graphs, Design 07124
Filters, Amplifiers, Frequency 08761
Filters, Amplifiers, Frequency, Volterra series, Distortion 00642
Filters, Convergence 03802
Filters, Design, Error, Modeling, Noise 05320
Filters, Design, Precision engineering 02382
Filters, Detection, Noise, Error, Covariance 03805
Filters, Estimation, Error, Simulation, Delay 01544
Filters, Frequency, Integrated circuits 05436
Filters, Frequency, Noise 07143
Filters, Graphs, Communication networks, Delay, Dissertation 05481
Filters, Impulse response 02379
Filters, Impulse response, Frequency, Statistical analysis 00639
Filters, Impulse response, Transmission, Kalman filters 05474
Filters, Input, Structural analysis 07106
Filters, Mirrors, Design, Quadratures 08745
Filters, Modulation, Converters, Simulation, Performance 02366
Filters, Noise 04766
Filters, Noise, Delay, Frequency, Dissertation 06380
Filters, Noise, Measurement, Numerical analysis 07114
Filters, Performance, Equalization, Receivers 09549
Filters, Product memories 05446
Filters, Programming, Integrated circuits, Modeling 05449

Signal processing, (continued)
Filters, Sensitivity, Circuitry, Graphs, Modeling 037
Filters, Spectral analysis, Waveforms, Fourier transforms 087
Filters, Transmission, Circuitry, Switching, Voltage 006
Fluidic devices, Pneumatic control equipment, Photoacoustics, Pressure control 073
Flux, Induction motors, Voltage, Current, Inverters 017
Fourier transforms, Acoustooptics 008
Fourier transforms, Radiation, Interferometers, Spectral analysis 034
Fourier transforms, Spectrometers, Calibration, Radiometry 084
Frequency, Error, Spectral analysis 031
Frequency, Input output, Delay, Detection 015
Frequency measurement, Algorithms 034
Frequency, Modulation, Gaussian processes, Noise, Numerical analysis 079
Frequency, Noise, Interference, Telecommunications 013
Frequency, Standards, Measurement errors 084
Frequency, Telemetry, Integrated circuits, Research and development 076
Frequency, Weighing, Fourier transforms, Interpolation, Algorithms 015
Gallium arsenide, Field effect transistors, Amplifiers, Power 088
Gallium arsenide, Field effect transistors, Logic circuits 044
Gallium arsenide, Integrated circuits, Architecture, Time measurement 092
Gallium arsenide, Random access memory, Radiation, Technology, Design 060
Gas lasers, Focusing, Plasmas, Aluminum, Ion collectors 090
Gas lasers, Ion collectors 079
Generators, Perturbation, Measurement, Finite element method, Simulation 017
Generators, Random processes, Noise, Circuitry, Memory 006
Geodesy, Electrochemistry, Circuitry, Petrochemical industry, Remote sensing 021
Guidance and control systems, Delay, Switching, Logic circuits, Spacecraft 020
Guidance and control systems, Missiles, Sensors, Waveguides, Millimeter waves 004
Gyrotrons, Frequency, Tuning, Numerical analysis 064
Hough transforms, Calibration, Pattern recognition, Gauges, Automatic testing 043
Image processing, Diffusion, Photodiodes, Arrays, Oxygen 007
Image processing, Radar, Pattern recognition, Scattering, Resonance 063
Information processing, Mathematical models, Neurophysiology, Delay, Feedback 053
Input devices, Output devices, Recording systems, Printers, Microcomputers 005
Instrumentation, Failure, Detection, Error, Probability 034
Integers, Microprocessors, Mathematics, Filtering, Rings 015
Integrated circuits, Arrays, Algorithms, Structural analysis 060
Integrated circuits, Design, Architecture, Reliability 060
Integrated circuits, Design, Book 071
Integrated circuits, Fabrication, Fault tolerance, Thermal variables control 047
Integrated circuits, Fault tolerance, Current, Gain, CMOS, Crosstalk 089
Integrated circuits, Frequency, Input output, Numerical analysis 055
Integrated circuits, Logic circuits, Optical analysis, Gates, Pulses 039
Integrated circuits, Motors, Controllers, Noise, Recording systems 016
Integrated circuits, Optics, Lasers, Integrated systems 009
Integrated circuits, Processors, Microelectronics, Technology 047
Integrated circuits, Programming, Structural analysis, Image processing 044
Interference, Cables, Receivers 078
Interference, Channels, Mobile systems, Radio communications 076
Interference, Error correcting codes, Meteorology, Algorithms 047
Interference, Filters, Frequency 088
Interference, Radar 062
Interference, Satellite communications, Dissertation 013
Interference, Televisions, Modeling, Data bases, Channels 013
Interference, Waveforms, Generators, Frequency, Converters 084
Inverters, Logic circuits, Input, Gates, Sequences 040
Ionization, Lasers, Photovoltaic effect, Interference, Spectroscopy 026
Iteration, Measurement, Analog to digital conversion 063
Josephson junctions, Integrated circuits, Logic circuits, Superconductivity 041
Josephson junctions, Receivers, Phase locking, Noise, Oscillators 055
Klystrons, Amplifiers, Radar, Transmitters, Accelerators 088
Lasers, Magnetic fields, Modulation, Electrons 073
Lasers, Pumping, Optoacoustic effect, Modulation 089
Lasers, Videodisks, Coding, Modulation 025
Least squares estimation, Difference equations, Noise 095
Linear systems, Graphs, Flow, Matrices, Statistical analysis 047
Linear systems, Parallel processing, Filtering, Modulation, Dissertation 023
Logic circuits, Charge coupled devices, Schottky diodes, Electrooptics 027
Logic circuits, Modeling, Structural analysis, Design, Delay 044
Logic circuits, Transducers, Transmission lines, Coaxial cables, Potentiometers 044
Loops, Parameter estimation, Arrays, Boundary value problems 032
Machine machine interactions, Microprocessors, Digital to analog converters 023
Machine tools, Robots, Precision engineering, Synchronization, Circuitry 020
Machinery, Noise, Finite element method, Modeling, Dissertation 047
Magnetic fields, Lasers, Plasmas, Ions, Dissertation 002
Magnetic fields, Sensors, Sensitivity 019
Magnetostatics, Oscillators, Communications, Radar, Surface acoustic waves 072
Mapping, Oceanography 086
Mapping, Simulation, Forestry, Data collection, Spectral analysis 086
Marine engineering, Data transmission, Satellites, Seismology 005
Marine technology, Navigation, Acoustics, Computer aided control 094
Mathematical models, Ultrasonics, Biomedical engineering 051
Matrices, Arrays, Microprocessors, Logic, Arithmetic 0061
Maximum likelihood estimation, Noise, Modulation, Frequency, Performance 079
Measurement, Microwave devices, Impedance 0004
Medical electronics, Blood, Flow measurement, Apple II Plus 0533
Medical electronics, Cardiovascular system, Image processing 0531
Memory, Identification, Sensors, Feature extraction, Pipelines 0633
Metal oxide semiconductors, Field effect transistors, Thermodynamics, Channels 0921
Metal oxide semiconductors, Integrated circuits, Delay, Communication networks 0602
Metal oxide semiconductors, Read only memory, Programming, Reliability, Design 0441
Meteorology, Data collection, Microprocessors, Reliability 0537
Metrology, Radio frequency, Millimeter waves 0347
Microcomputers, Feedback 0059
Microcomputers, Simulation, Seismology, Modeling, Transmission 0536
Microcomputers, Sonar, Logic circuits, Pulse generation 0310

al processing, (continued)
croelectronics, Architecture, Dissertation ... 07643
croprocessors, Computer aided control, Antennae, Tracking, Reliability ... 01649
croprocessors, Computer programs, Software development, Buses, Testing ... 01455
croprocessors, Frequency, Electric power generation, Arc furnaces ... 04942
croprocessors, Sensors, Digital to analog conversion, Frequency, Radiation ... 06735
croprocessors, Synchronous motors, Rotors, Velocity, Noise ... 00079
croprocessors, Tachometers, Computer aided control, Velocity ... 03535
croprocessors, Telecommunications ... 04759
croprocessors, Texas Instruments TMS 320 ... 04758
croprogramming, Scheduling, Resource management, Systems design, Modeling ... 06321
crowave devices, Field effect transistors, Calibration, Measurement ... 07584
crowaves, Spectral analysis, Scattering, Detectors ... 06465
litary engineering, Radios, Mobile systems, Data transmission ... 01300
nimax, Radar, Waveforms, Game theory, Dissertation ... 04715
bile systems, Radio communications, Microwaves, Data transmission, Noise ... 07929
odeling, Circuitry, Iteration, Matrices, Numerical analysis ... 05511
odeling, Magnetic fields, Flux, Induction machines, Damping ... 03264
odeling, Scattering, Tracking, Waves ... 04810
odems, Circuitry, Data transmission, Shift registers, Synchronization ... 03053
odems, Data transmission, Noise, Error, Algorithms ... 07920
odems, Filters, Numerical analysis, Performance, Interference ... 07990
odulation, Data transmission, Power supply, Pulse generation ... 04747
odulation, Demodulation, Frequency, Detection, Algorithms ... 07985
odulation, Radio communications, Noise, Atmospheric conditions ... 04541
odulation, Receivers, Noise, Simulation ... 09598
odulation, Spectral analysis, Density, Phase shift keying ... 09594
odulation, Speech transmission, Radio communications ... 03199
odulation, Thin films, Focusing, Lasers, Optical storage ... 01516
odulation, Time measurement, Ultrasonics, Paper industry, Granular materials ... 00345
ultiplexing, Lasers ... 05751
ultiplexing, Translation, Communication networks, Systems design ... 01283
ultipliers, Filters, Convolvers, Design ... 09289
ultiprocessors, Architecture, Fault tolerance ... 03124
avigation, Radio communications, Software development, Navaids System 4000 ... 09490
etworks, Quantization, Noise ... 06349
etworks, Speech transmission, Research and development, Japan ... 09574
europhysiology, Communication networks, Channels, Distortion, Controllers ... 05328
europhysiology, Networks, Probability, Parameter estimation ... 05329
oise, Channels, Radio frequency, Data transmission, Optimization ... 04772
oise, Coding, Fourier transforms ... 03141
oise, Data collection, Performance, Estimation ... 06319
oise, Data transmission, Modeling ... 07903
oise, Delay, Echo cancelling ... 03146
Noise, Detection, Data structure, Performance, Dissertation ... 09526
Noise, Detection, Estimation ... 06313
Noise, Detection, Modeling, Density functions, Probability ... 06309
Noise, Detection, Radar, Probability, Estimation ... 06393
Noise, Filtering, Speech recognition ... 02393
Noise, Filters, Hilbert spaces, Least squares estimation, Weighting ... 05439
Noise, Filters, Kalman filters ... 04797
Noise, Filters, Simulation ... 03793
Noise, Frequency measurement, Statistical analysis ... 06329
Noise, Gaussian processes, Delay, Random variables ... 03138
Noise, Image processing, Simulation, Statistical analysis, Dissertation ... 06311
Noise, Integrated circuits, Logic, Counters, Input output ... 07178
Noise, Mathematical models ... 04734
Noise, Receivers, Cascades, Radio communications ... 07677
Noise, Restoration ... 09538
Noise, Waveforms, Energy, Speech synthesis ... 04694
Nondestructive testing, Acoustic emissions ... 01978
Numerical analysis, Optimization, Time measurement ... 03149
Oceanography, Acoustics, Data transmission, Systems design, Dissertation ... 06292
Oceanography, Seismology, Data collection, Data compression ... 02274
Optical communications, Channels, Lasers, Modulation, Research and development ... 07905
Optical communications, Channels, Modulation, Pulses, Detection ... 09557
Optical communications, Fiber optics, Wave propagation ... 06135
Optical communications, Image processing, Electromagnetics, Modulation ... 07318
Optical communications, Modulation, Frame synchronization ... 07705
Optical communications, Relaxation, Estimation, Modulation, Waveforms ... 07310
Optical communications, Weighting, Integrals, Systems analysis, Modeling ... 04562
Optics, Algebra, Supercomputers, Matrices, Research and development ... 02296
Optics, Coding, Fourier analysis, Diffraction, Dissertation ... 05662
Optics, Image processing, Noise, Filters ... 00881
Optics, Interferometers, Spectral analysis, Simulation ... 07290
Optics, Machinery, Rotation, Vibration, Testing ... 00861
Optics, Pattern recognition, Transformations, Processors ... 07693
Optics, Waveguides, Gas lasers, Pulse generation ... 05822
Oscillators, Capacitors, Switching ... 08817
Oscillators, Resistors, Microprocessors, Strain, Metal oxide semiconductors ... 02629
Packaged components, Logic circuits, Josephson junctions, Connectors ... 04176
Parameter estimation, Noise, Damping, Simulation, Dissertation ... 06327
Parameter estimation, Optimization, Multivariable systems, Controllers ... 05221
Pattern recognition, Noise, Transfer functions, Speech transmission ... 03129
Pattern recognition, Seismology, Detection, Computer aided analysis ... 09541
Pattern recognition, Syntax, Geology, Classification, Dissertation ... 03702
Pattern recognition, Testing, Frequency, Modulation, Algorithms ... 01540
Performance, Cost benefit analysis, Standards, Avionics ... 07863
Phase locked loops, Detection, Noise, Approximations, Statistical analysis ... 06344
Phase locked loops, Detectors, Design ... 07917
Phase shift keying, Filtering, Modulation, Frequency, Noise ... 07989
Phase shift keying, Frequency, Detection, Modulation, Performance ... 07987
Phase shift keying, Frequency, Integral equations, Spectral analysis ... 09537
Phase shift keying, Noise, Filters, Interference, Feedback ... 02365
Phase shifts, Field effect transistors, Modulation, Spectrometers ... 00303
Phase shifts, Measurement, Frequency, Noise ... 09548

Signal processing, (continued)
Plasmas, Antennae, Lifetimes, Amplitude, Noise ... 08058
Plasmas, Electromagnetic waves, Cross sectional measurement, Digitizing ... 03226
Polarization, Antennae, Channels ... 04841
Polarization, Atmospheric conditions, Electromagnetic waves, Communications ... 02890
Ports, Field effect transistors, Networks, Circuitry, Dissertation ... 02774
Process control, Electric power generation, Safety, Telemetry, Economics ... 04603
Programmable controllers, Hybrid systems, Technology, Research and development ... 03607
Programming, Software development, Realtime systems, Arrays, Processors ... 04752
Pulse code modulation, Filters, Transfer functions, Time measurement ... 03195
Pulse code modulation, Quantization, Adaptive control, Autoregressive analysis ... 07974
Pulse generation, Communications, Telemetry ... 01548
Pulse generation, Modulation ... 07212
Pulse generation, Spectroscopy, Charge carriers, Emissions, Dissertation ... 01939
Pulses, Frequency, Simulation, Performance, Error ... 07210
Pulses, Measurement, Frequency, Amplitude, Numerical analysis ... 08429
Pulses, Modulation, Waves, Bipolar devices, Polynomials ... 03193
Quantization, Filters, Algorithms, Matrices, Displacement ... 02367
Quantization, Pulse code modulation, Testing, Televisions ... 03175
Quantization, Robustness, Asymptotic behavior, Vectors, Statistical analysis ... 01551
Quantizers, Statistical analysis, Design, Histograms, Probability ... 07982
Radar, Doppler shift, Computer aided analysis, Target detection ... 09507
Radar, Doppler shift, Volume, Coding ... 04708
Radar, Image processing, SAR, SEASAT ... 09499
Radar, Marine engineering, Displays, Testing, Meteorology ... 07869
Radar, Polarization, Optimization, Antennae, Microwave devices ... 01530
Radar, Scattering, Identification, Reliability, Economics ... 04706
Radar, Simulation, FORTRAN ... 07866
Radar, Technology, Performance, Analog to digital conversion, Transformations ... 06299
Radio communications, Navigation, Frequency, Synchronization ... 03088
Radio communications, Telephones, Mobile systems, Channels ... 04652
Radio frequency, Wave propagation, Receivers ... 01615
Radios, Broadcasting, Distortion, Security, Spectrum inversion ... 04779
Radios, Probability, Wave propagation, Frequency, Modulation ... 01302
Raman effect, Amplifiers, Fiber optics, Lasers ... 09374
Random access memory, Metal oxide semiconductors, Silicon, Channels, Amplifiers ... 04404
Random processes, Stability, Monte Carlo method, Analog to digital conversion ... 08833
Random variables, Modulation, Spectral analysis, Frequency ... 07973
Random variables, Noise, Estimation, Error, Filtering ... 03120
Realtime systems, Programming, Architecture, Integrated circuits ... 07892
Receivers, Circuitry, Error, Simulation, Hue control ... 02943
Receivers, Memory, Televisions, Control systems, Research and development ... 02956
Receivers, Noise, Detection, Underwater technology, Dissertation ... 09527
Receivers, Transducers, Noise, Amplifiers ... 01990
Reconstruction, Algorithms, Approximations, Filters, Transfer functions ... 03137
Recording systems, Integrated circuits, Design, Color, Bipolar devices ... 02960
Recording systems, Videodisks, Electrodes, Capacitance, Audio systems ... 02600
Recording systems, Videodisks, Lasers, Research and development ... 02601
Recursion, Structural analysis, Numerical analysis ... 07891
Reflectometry, Performance, Analog systems, Photon counting ... 08956
Research and development, Microelectronics, Architecture, Reliability ... 07621
Research and development, Problem solving, Radios, Radar, Technology ... 07914
Resolution, Ultrasonics, Scanning ... 01564
Resonance, Waveguides, Electromagnetic waves, Voltage, Cavities ... 01058
Respiratory system, Measurement, Impedance, Error, Statistical analysis ... 07012
Robots, Artificial intelligence, Controllers, Force, Approximations ... 00437
Robustness, Detection, Metrics, Coding, Channels ... 03127
Robustness, Noise, Radar, Dissertation ... 01560
Robustness, Statistical analysis, Noise, Estimation, Dissertation ... 06316
Satellite communications, Antennae, Frequency ... 06185
Satellite communications, Broadcasting, Televisions, Antennae, Economics ... 07787
Satellite communications, Broadcasting, Televisions, Frequency, Modulation ... 02976
Satellite communications, Coding, Time measurement, Control systems ... 03650
Satellite communications, Interference, Microwave devices, Radios, Frequency ... 00004
Satellite communications, Minicomputers, Buses, Simulation ... 04608
Satellite communications, Modeling, Channels, Performance, Interference ... 07932
Satellite communications, Modulation, Distortion ... 07792
Satellite communications, Phase shift keying, Detection, Error, Frequency ... 07975
Satellite communications, Switching, Error ... 03002
Satellite communications, Transformations, Coding, Modulation, Formatting ... 01291
Scanning, Quality control, Interference, Televisions, Displays ... 02952
Scanning, Resolution ... 08116
Scattering, Dynamics, Electromagnetic waves ... 04820
Seismology, Geomagnetism, Velocity ... 03700
Seismology, Pattern recognition ... 07039
Seismology, Pattern recognition, Filtering, Petrochemical industry ... 03139
Seismology, Waveforms, Dissertation ... 06856
Semiconductor lasers, Reflectometers, Photodiodes, Computer aided analysis ... 04029
Semiconductors, Numerical analysis, Spectroscopy ... 01131
Sensors, Detection, Estimation, Bias, Performance ... 05101
Sequences, Fourier transforms, Algorithms ... 03134
Signal converters, Frequency, Multipliers, Dividers ... 07215
Signal to noise ratio, Remote sensing ... 02911
Simulation, Microcomputers, Programming, Control systems, Measurement ... 01735
Simulation, Oscillators, Gallium arsenide, Numerical analysis ... 00693
Simulation, Random processes, Noise, Filters, Modeling ... 06339
Sodium, Fluorescence, Jets, Supersonic flow ... 00901
Software development, Neurophysiology, Acoustics, Filtering ... 05318
Sonar, Underwater technology, Communications, Computer aided analysis ... 07883
Spectral analysis, Approximations, Error ... 01563
Spectral analysis, Gamma radiation, Velocity, Vibration ... 06789
Spectral analysis, Lasers, Photodetectors, Acoustooptics ... 03973
Spectral analysis, Maximum likelihood estimation ... 06330
Spectral analysis, Parameter estimation ... 06328
Spectroscopy, Noise, Amplitude, Control systems ... 03482
Speech recognition, Artificial intelligence, Research and development ... 04680

Signal processing, (continued)

- Speech recognition, Detection, Automation, Adaptive control ... 01478
- Speech recognition, Digitizing, Mapping ... 01484
- Speech recognition, Filtering, Synthesis, Gain, Matching ... 04692
- Speech recognition, Matching, Performance, Real-time vocabulary size ... 03084
- Speech recognition, Noise ... 03182
- Speech recognition, Parameter estimation, Filter bank analysis ... 02384
- Speech recognition, Pattern recognition, State of the art ... 07916
- Speech recognition, Quality control, Adaptive delta modulation ... 01589
- Speech recognition, Technological forecasting ... 04683
- Speech recognition, Vowel perception, Dissertation ... 03086
- Speech recognition, Waveforms, Decomposition, Functions, Dissertation ... 06326
- Speech synthesis, Coding, Image processing, Telecommunications ... 01587
- Speech synthesis, Communication networks, Data compression, Bandwidths ... 01569
- Speech synthesis, Generators, Approximations, Acoustics, Amplitude ... 04688
- Speech synthesis, Parameter estimation, Coding, Dynamic programming ... 01585
- Speech synthesis, Pulse code modulation, Sequences, Data compression ... 01483
- Speech transmission, Channels, Quality control ... 09478
- Speech transmission, Military, Coding, Bandwidths, Dissertation ... 04794
- Speech transmission, Noise, Interference, Attenuation, Filters ... 03082
- Statistical analysis, Noise, Filters, Dissertation ... 05479
- Striplines, Mixers, Diodes, Capacitance voltage ... 06456
- Structural analysis, Satellite communications, Coding, Multiplexing ... 02886
- Superconductivity, Interference, Magnetic fields, Gradiometers ... 04097
- Superconductivity, Josephson junctions, Logic circuits, Simulation ... 04076
- Superconductivity, Magnets, Acoustic testing, Solenoids, Quality control ... 04192
- Superconductors, Convolvers, Tunnel junctions, Mixers, Transmission lines ... 04059
- Superconductors, Filters, Striplines, Signal processing, Microwaves ... 09055
- Surface acoustic waves, Amplifiers, Phase shifts, Correlators, Memory ... 08479
- Surface acoustic waves, Reflection, Gallium arsenide ... 01968
- Surface acoustic waves, Silicon, Memory, Correlators, Dissertation ... 00337
- Surface acoustic waves, Transducers, Recording systems, Cutterheads ... 03530
- Switching, Channels, Sequences, Distributors, Output ... 03143
- Switching, Converters, Feedback, Frequency, Dissertation ... 03403
- Synchronization, Amplifiers, Voltage, Frequency, Integrators ... 00702
- Synchronization, Control systems, Noise, Simulation, Modeling ... 03128
- Synchronization, Error, Probability, Integrated circuits, Modeling ... 09593
- Synchronization, Spectral analysis, Time measurement, Dissertation ... 07888
- Systems design, Image processing, Optical systems, Dissertation ... 00883
- Systems design, Image processing, Optical systems, Dissertation ... 00883
- Systems design, Optimization, Simulation ... 07900
- Systems design, Signal to noise ratio, Image processing, Televisions ... 02939
- Technological forecasting, Speech recognition ... 04684
- Technology, Speech synthesis ... 09482
- Telecommunications, Bandwidths, Spectral analysis ... 03151
- Telecommunications, Fault detection ... 09463
- Telecommunications, Networks, Systems design, Unilink signaling converter ... 03877
- Telecommunications, Private branch exchange, Switching, Manufacturing ... 08714
- Telecommunications, Satellite communications, Synchronization, Frequency ... 01393
- Telecommunications, Telephones, Mobile systems ... 03066
- Telemetry, Pulse code modulation, Microprocessors, Circuitry, Storage ... 04594
- Telephones, Circuitry, Modulation, Dissertation ... 04645
- Telephones, Circuitry, Optimization, Power systems ... 08359
- Telephones, Switching, Frequency, Receivers, Microcomputers ... 03052
- Teletext, Interference, Attenuation, Filtering, Computer aided control ... 01421
- Televisions, Analog to digital conversion, Integrated circuits, Silicon ... 02945
- Televisions, Arrays, Converters, Scanning ... 02966
- Televisions, Cameras, Color, Frequency, Research and development ... 02971
- Televisions, Coding, Color, Broadcasting, Quality control ... 07779
- Televisions, Filters, Memory, Interference, Circuitry ... 02953
- Televisions, Memory, Delay, Coding, Descrambling ... 06164
- Televisions, Microprocessors, Field memory, Receivers, Buses ... 02944
- Televisions, Quality control, Filtering, Failure, Integrated circuits ... 02947
- Televisions, Transmission, Receivers, Multiplexing, Time compression ... 02970
- Theorem proving, Frequency, Sampling methods, Filtering ... 03135
- Thermal noise, Transistors, Amplifiers ... 07200
- Thickness measurement, Magnetic tape, Harmonics, Recording systems ... 01094
- Thin films, Film growth, Microcomputers, Integrated optics, Electrooptics ... 06877
- Thyristors, Microprocessors, Synchronization, Logic ... 01734
- Time measurement, Broadcasting, Telecommunications, Standards, ATA ... 03150
- Time measurement, Delay, Parameter estimation ... 09531
- Tracking, Filters, Optics, Performance, Algorithms ... 05721
- Tracking, Radar, Architecture ... 01528
- Transducers, Acoustooptics, Design, Focusing, Dissertation ... 09142
- Transducers, Measurement, Vibration, Magnetic variables measurement ... 07509
- Transducers, Torque, Machinery, Frequency, Displays ... 05837
- Transfer functions, Parameter estimation, Control systems, Pulses, Input output ... 02017
- Transformations, Filters, Simulation, Prewarping, Automation ... 03799
- Transforms, Speech synthesis, Coding, Identification, Dissertation ... 06315
- Transistors, Metal oxide semiconductors, Electrostatics ... 04411
- Transmitters, Oscillators, Detectors, Gas lasers ... 00972
- Ultra high frequency, Amplifiers, Magnetic fields, Spectrometers ... 03152
- Ultrasonics, Crack propagation, Size measurement, Channel capacity ... 01972
- Ultrasonics, Radiation, Lasers, Pulse generation ... 02586
- Underwater technology, Noise, Detection, Arrays, Processors ... 03133
- Video systems, Recording systems, Integrated circuits, Modulation, Voltage ... 02937
- Vision, Image processing, Structural analysis ... 08935
- Vision, Mathematical models, Amplitude, Kinematics, Optics ... 05331
- Visual perception, Color, Mathematical models ... 05336
- Vocoders, Music, Tracking, Dissertation ... 01479
- Voltage, Oscillators, Phase locked loops, Vectors, Dissertation ... 07201
- Wave propagation, Integrated circuits, Energy, Delay, Technology ... 09281
- Waveforms, Biomedical engineering, Cardiovascular system, Orthogonality ... 05307
- Waveforms, Fourier analysis, Interpolation, Algorithms, Storage ... 09536
- Waveguides, Acoustooptics, Integrated circuits, Dissertation ... 00851
- Waveguides, Integrated circuits, Silicon, Lasers, Dissertation ... 01049

Signal reception,

- Amplifiers, Satellite communications, State of the art ... 055
- Broadcasting, Satellites, Attitude control, Atmospheric conditions ... 061
- Channels, Interference, Demodulation, Phase locked loops ... 095
- Channels, Simulation, Signal to noise ratio ... 095
- Control, Satellite communications, Broadcasting ... 077
- Fiber optics, Amplifiers, Noise, State of the art ... 093
- Filtering, Pulse amplitude modulation ... 015
- Sensors, Emitters, Simulation ... 063
- Spread spectrum communications, Performance, Atmospheric conditions ... 031
- Telecommunications, Speech transmission, Interference, Echo suppressors ... 046
- Televisions, Satellites, Antennae ... 093
- Tracking, Position control, Distance measurement, Doppler effect ... 094
- Transmission, Channels, Modulation ... 079

Signal to noise ratio,

- Acoustics, Filters, Scanning electron microscopy, Televisions ... 035
- Acoustics, Image processing, Sensors, Modeling, Dissertation ... 084
- Algorithms, Signal processing, Amplifiers, Software development, Controllers ... 079
- Aluminum gallium arsenide, Semiconductor lasers, Frequency, Control systems ... 040
- Amplifiers, Analog to digital converters ... 055
- Amplifiers, Filtering, Noise ... 006
- Analog to digital converters, Stability, Logic ... 055
- Antennae, Radios, Telephones, Wave propagation, Mobile systems ... 014
- Antennae, Signal processing, Jamming, Dissertation ... 080
- Arrays, Interference, Circuitry, Error, Quality control ... 063
- Arrays, Interference, Modulation, Frequency ... 032
- Arrays, Random processes, Transmission, Modulation, Relays ... 029
- Channels, Communications, Speech recognition ... 064
- Channels, Simulation, Signal reception ... 095
- Channels, Transmission, Interference ... 015
- Charge carriers, Transfer functions, Modeling ... 012
- Communication networks, Access, Synchronization, Modulation, Error ... 031
- Communication networks, Channels, Modeling, Interference, Dissertation ... 062
- Coupling, Arrays, Antennae ... 016
- Decoding, Synchronization, Error correcting codes ... 095
- Detection, Probability, Functions, Stochastic processes, Spectral analysis ... 0311
- Electroencephalograms, Measurement errors, Filters, Adaptive control ... 0052
- Electromyography, Amplitude, Modulation ... 0052
- Embedding, Video systems, Luminance, Data transmission, Channels ... 0777
- Estimation, Time measurement, Sensors, Delay, Data compression ... 0632
- Fiber optics, Fault detection ... 0770
- Fiber optics, Noise ... 0771
- Filters, Channels, Circuitry, Mathematical models ... 0789
- Filters, Coding, Receivers, Decision making ... 0958
- Filters, Input output, Robustness, Boundary value problems, Matching ... 0237
- Filters, Noise ... 0543
- Filters, Quantization, Modulation ... 0235
- Fourier transforms, Spectrometers, Detectors, Photons ... 0843
- Frequency, Channels, Allocation, Optimization ... 0790
- Frequency, Estimation, Stochastic processes, Scattering, Dissertation ... 0477
- Frequency measurement, Televisions ... 0616
- Frequency, Multiplexing, Image processing, Detectors ... 0567
- Frequency, Simulation ... 0953
- Hall effect, Transducers, Magnetoresistivity, Noise ... 0311
- Image processing, Biomedical engineering, Radiation, Detection, Displays ... 0699
- Image processing, Biomedical engineering, X-rays, Filtering, Measurement ... 0699
- Image processing, Coding, Distributions, Statistical analysis, Simulation ... 0636
- Image processing, Information theory ... 0894
- Image processing, Robustness, Distributions, Modeling, Dissertation ... 0633
- Image processing, Ultrasonics, Biomedical engineering, Diagnostics ... 0051
- Imaging, Radiology, Quality control ... 0214
- Integrated circuits, Analog to digital converters ... 05545
- Local area networks, Modulation, Protocols, Packet switching, Performance ... 07977
- Medical electronics, Image processing ... 0367
- Meteorology, Velocity, Error, Radar, Doppler shift ... 04712
- Modeling, Algorithms, Speech recognition ... 04693
- Neurophysiology, Error, Signal processing ... 02155
- Noise, Pulse generation, Modulation ... 0480
- Noise, Radios ... 01537
- Optical communications, Modeling, Channels, Coupling, Amplitude ... 01331
- Optimization, Spectrometers, Nuclear magnetic resonance ... 05043
- Performance, Amplifiers, Mixers ... 02437
- Phonetics, Linguistics, Acoustics, Matrices ... 04686
- Pulse code modulation, Data transmission, Channels, Error ... 01598
- Quartz, Metrology, Voltage, Detectors ... 00291
- Radar, Scanning, Estimation, Amplitude, Simulation ... 02894
- Radar, Scattering, Turbulence, Spectral analysis, Dissertation ... 07877
- Radar, Targets, Classification, Dissertation ... 09513
- Radiology, Resolution, Positron emission tomography ... 05601
- Radios, Performance, Statistical analysis, Modulation ... 09311
- Reconstruction, Time measurement, Filtering, Image processing ... 00509
- Recording systems, Integrated circuits, Filtering, Oscillators, Controllers ... 02568
- Recording systems, Magnetics, Thin films, Noise ... 05871
- Satellite communications, Performance, Error, Modulation, Interference ... 07790
- Sensors, Image processing, Scanning, Landsat-4 ... 08658
- Signal processing, Remote sensing ... 02911
- Signal processing, Systems design, Image processing, Televisions ... 02939
- Speech transmission, Encoding ... 09586
- Speech transmission, Filters, Pulse code modulation ... 09596
- Spread spectrum communications, Waveforms, Filters, Quantization ... 07133
- Telemetry, Data collection, Computer graphics, Pulsewidth modulation ... 06184
- Televisions, Channels, Filtering ... 02950
- Transmission, Filters, Channels ... 02398
- Transmission lines, Interference, Televisions, Quality control ... 01036
- Ultrasonic testing, Hydrophones, Polymers, Frequency, Acoustics ... 03518
- Ultrasonic testing, Materials testing, Electromagnetic-acoustic method ... 00326

al to noise ratio, (continued)

- aves, Pulses, Modulation, Frequency, Loops ... 03188

al transmission,

- ccess, Channels, Communication networks, Noise, Dissertation ... 04777
- coustics, Boundary layers, Meteorology, Flow, Wind ... 05378
- coustics, Oceanography, Depth measurement, Computer aided analysis ... 00569
- rospace engineering, Spacecraft, Software packages, Fiber optics ... 07709
- craft, Microwave devices, Guidance and control systems, Performance, Design ... 06968
- mplifiers, Output, Telemetry, Channels ... 00689
- alytic signals, Functions, Distributions, Modulation ... 04739
- ndwidths, Channels, Radios, Mobile systems, Error correcting codes ... 01304
- oadcasting, Satellite communications, Televisions, Government regulations ... 07797
- hannels, Covariance, Noise, Matching, Gaussian processes ... 07923
- hannels, Equalization, Interference, Receivers, Processors ... 07922
- hannels, Equalization, Parameter estimation ... 01578
- hannels, Modulation, Coding ... 06373
- hannels, Multiplexing, Filters ... 06399
- hannels, Satellite communications, Scheduling, Delay, Optimization ... 07811
- rcuitry, Telephones, Echo, Switching, Research and development ... 01464
- oding, Performance, Transforms, Frequency ... 07958
- oding, Satellite communications, Rain attenuation, Resource sharing ... 07950
- oding, Teleconferencing ... 07723
- ommunication networks, Architecture, Circuitry, Channels, Distributed systems ... 03167
- ommunication networks, Integrated systems, Performance, Error, Delay ... 04663
- ommunication networks, Interference, Machine machine interactions ... 04624
- ommunication networks, Poisson processes, Modeling ... 01290
- ommunication networks, Switching, Channels, Decision making ... 01460
- ommunications, Filtering, Equalization ... 03158
- ommunications, Modeling ... 01573
- ontrol, Channels, Radio communications ... 01574
- ata communications, Speech recognition, Simulation ... 06237
- ata communications, Speech recognition, Simulation ... 07944
- ata transmission, Communication networks, AT&T CSDC ... 07094
- stortion, Filters, Televisions ... 06163
- istributed systems, Communication networks, Terminals, Traffic, Access ... 06119
- ncoding, Fiber optics, Position control, Reliability, Sensors ... 03569
- rror, Control systems, Robustness, Reliability, Coding ... 07921
- rror, Noise, Channels, Satellite communications ... 01577
- eedback, Channels, Error, Probability, Boundary value problems ... 01567
- ber optics, Lasers, Detection, Phase shift keying, Monomode links ... 04557
- ber optics, Semiconductors, Technology, Channels, Feedback ... 04547
- ber optics, Technology, Trunks, Communication networks ... 02928
- requency, Electric power distribution, Automation, Telemetry ... 04535
- requency measurement, Televisions ... 06169
- requency, Modulation, Feedback, Controllers, Modems ... 07824
- requency, Parameter estimation ... 06346
- uidance and control systems, Navigation, Satellite communications ... 07857
- mage processing, Diodes, Mixers, Current voltage, Frequency ... 03257
- nput output, Metal oxide semiconductors, Channels, Finite element method ... 07583
- ntegrated circuits, Stability, Phase shifts, Gyrators ... 05515
- nterference, Cables, Quality control, Velocity ... 04740
- nterference, Telecommunications, Networks ... 00698
- ocal area networks, Channels, Packet switching, Expressnet ... 04632
- aterials testing, Fiber optics, Fault detection, Submarines, Cables ... 07710
- athematical models, Interference, Televisions, Receivers, Mobile systems ... 01383
- ilitary engineering, Data communications, Radio communications, Aircraft ... 05285
- odeling, Resonators, Parameter estimation, Mirrors, Lasers ... 05770
- odems, Modulation, Circuitry ... 03197
- odulation, Filtering, Integral equations, Simulation, Broadcasting ... 07976
- odulation, Speech recognition, Coding, Performance, Delay ... 07986
- ultiplexing, Spread spectrum communications, Coding ... 09553
- etworks, Spread spectrum communications, Military ... 02882
- ew Zealand, Bandwidths, Frequency, Broadcasting, Radiotelephones ... 01310
- oise, Converters, Satellite communications, Broadcasting ... 07805
- oise, Waveforms, Synchronizers, Delay ... 07928
- ptical communications, Image processing, Modulation, Input output ... 07319
- ptics, Pulse code modulation, Wavelengths, Channels, Reliability ... 01319
- ptimization, Satellites, Transponders, Computer aided control ... 01289
- acket switching, Radios, Communication networks, Protocols, Terminals ... 07684
- hase shift keying, Channels, Noise ... 09563
- ower plants, Magnetic fields, Communications, Radios, Systems design ... 06317
- ulse code modulation, Coding, Security, Military ... 04763
- uadrature rules, Equivalence, Amplitude, Modulation ... 04775
- uality control, Televisions, Interlaced scanning ... 01385
- adiation, Interference, Systems design, Electromagnetic waves, Antennae ... 01654
- adio communications, Integrated circuits, Microwaves ... 02905
- adio communications, Simulation, Monte Carlo method ... 06121
- adio communications, Spectral analysis ... 06112
- adios, Channels, Reliability ... 06120
- adios, Mobile systems, Synchronization, Telecommunications, Interference ... 01299
- andom variables, Channels, Distortion, Noise, Jammers ... 06350
- eceivers, Design, Fiber optics, Coding, Noise ... 07694
- eliability, Amplifiers, Modulation ... 04534
- eliability, Distortion, Atmospheric conditions, Multipath phenomenon ... 09575
- emote sensing, Signal to noise ratio ... 02911
- atellite communications, Amplifiers, Traveling wave tubes, Noise, Dissertation ... 03165
- atellite communications, Broadcasting, Marketing, Technological forecasting ... 03633
- atellites, Multiplexing, Bandwidths, Distortion, Televisions ... 06172
- atellites, Scattering, Meteorology, Coupling ... 01637
- atellites, Switching, Transponders ... 07793
- imulation, Satellite communications, Error, Control systems, Receivers ... 02993
- oftware packages, Simulation, Modulation, Radios, Fading ... 07683
- pectral analysis, Scintillation, Amplitude, Atmospheric conditions ... 01629
- peech transmission, Local area networks, Telecommunications ... 06355
- peech transmission, Networks, Packet switching, Simulation ... 06354
- elecommunications, Data processing, Telephones, Research and development ... 07827

Signal transmission, (continued)

- Telecommunications, Radio communications, India ... 01284
- Teleconferencing, Computer aided control, Telephones, Satellite communications ... 01472
- Telemetry, Electric power distribution, Microcomputers, Data collection ... 04599
- Telemetry, Fiber optics, Multiplexing, Underwater technology ... 07050
- Telephones, Networks, Analog versus digital ... 03058
- Telephones, Networks, TELEXPHONE-B ... 06261
- Teletex, Telecommunications, Office automation, Machine machine interactions ... 06213
- Teletext, Distortion, Delay, Pattern recognition, Simulation ... 03037
- Televisions, Audio systems, Quality control, Multiplexing, Integrated circuits ... 02972
- Televisions, Coding, Channels, Transforms, Bandwidth compression ... 07957
- Televisions, Coding, Quality control, Filtering, Integrated circuits ... 02965
- Televisions, Color, Error, Differential phase ... 04578
- Televisions, Electromagnetics, Wind turbines, Generators, Interference ... 06165
- Televisions, Fiber optics ... 09349
- Televisions, Multiplexing, Satellites, Transponders ... 02941
- Thermometers, Thermal variables measurement, Acoustics, Remote sensing ... 01880
- Traffic, Radio communications, Throughput, ALOHA ... 09316
- Tuning, Integrated circuits, Frequency, Channels, Televisions ... 02973
- Underwater technology, Acoustics, Sonar, Scattering, Statistical analysis ... 01965
- Underwater technology, Mining, Cables, Fiber optics, Mechanical strength ... 07042
- Video systems, Computer aided control, Synchronization, Frequency ... 02938
- Vision, Teleconferencing, Data compression, Switching ... 01461
- Wavelengths, Multiplexing, Fiber optics ... 07727

Signals,

- Absorption, Acoustooptics, Charge carriers ... 00850
- Adaptive control, Frequency, Acoustics, Audiometry ... 01996
- Amplifiers, Fabrication, Gain, Power supply ... 03844
- Amplitude, Frequency, Wave propagation ... 03196
- Analog to digital conversion, Noise, Weight functions ... 00701
- Approximations, Transfer functions, Filters ... 03792
- Arrays, Parallel processing ... 04753
- Cameras, Photomultipliers, Encoding, Anger camera ... 06891
- Channels, Modulation, Tracking, Delay ... 07915
- Channels, Phase shift keying, Error ... 06359
- Channels, Pulse code modulation, Telecommunications, Dissertation ... 09551
- Chrominance signals, Luminance, Channels, Data transmission ... 01387
- Circuitry, Frequency Multipliers ... 07176
- Coding, Demodulation, Televisions ... 09398
- Communication networks, Channels, Switching ... 09530
- Converters, Simulation ... 05547
- Demodulation, Frequency, Time measurement ... 07911
- Electromagnetic waves, Interference, Radio frequency, Atmospheric conditions ... 00028
- Encoding, Scintillators, Data compression ... 06894
- Equalization, Coaxial cables, Local area networks ... 02637
- Extrema, Measurement errors ... 06898
- Feasibility studies, Electromyograms, Waves, Prosthetics ... 02164
- Feedback, Imaging, Accomodation, Optometers, Infrared ... 02156
- Filtering, Feedback, Gain, Optimization ... 09529
- Filtering, Modulation ... 06394
- Filtering, Noise ... 02387
- Filtering, Noise, Error, Kalman filters ... 06385
- Filtering, Radar, Kalman filters ... 05470
- Filtering, Recursive filters ... 02392
- Filtering, Robustness, Dissertation ... 01596
- Filtering, Robustness, Noise ... 01597
- Filtering, Time measurement, Delay ... 01562
- Filtering, Tracking, Robustness, Simulation ... 01595
- Filters, Image processing, Cutoff frequency, Ξ-filters ... 02381
- Filters, Modulation, Dissertation ... 01600
- Filters, Pulse code modulation, Distortion ... 00680
- Filters, Quantization, Modulation ... 02358
- Filters, Quantization, Noise ... 07132
- Filters, Robustness, Output ... 08740
- Frequency, Domains, Symmetry, Filtering ... 03140
- Frequency shift keying, Modulation, Filters ... 06325
- Frequency, Voltage, Tracking, Power systems ... 08137
- Glint, Electromagnetics, Scattering, Radar, Simulation ... 04721
- Image processing, Coding, Filters, Markov processes ... 06363
- Image processing, Control systems, Parameter estimation, Performance ... 07963
- Image processing, Pattern recognition, Edge detection, Dissertation ... 03983
- Image processing, Ultrasonics, Convolution, Reflectivity ... 02143
- Input, Error, Feedback, Jump-resonance response ... 07121
- Interference, Phase locked loops, Simulation ... 01556
- Lasers, Gain, Wigglers ... 00933
- Logic circuits, Coupling, Distortion ... 09256
- Modeling, Segmentation, Time series, Algorithms ... 07912
- Modeling, Simulation languages, Spectral analysis, Satellite communications ... 07980
- Modulation, Costas loops ... 01330
- Modulation, Oscillators, Modeling ... 01557
- Noise, Bandwidths, Distortion, Filters ... 01995
- Noise, Filtering, Algorithms ... 04838
- Noise, Filtering, Boundary value problems ... 03145
- Noise, Filters, Histogramming, Threshold selection ... 07910
- Noise, Interference, Acoustic variables measurement ... 07884
- Noise, Interference, Tracking, Bandpass limiters ... 03115
- Output, Time measurement, Delay ... 07897
- Parameter estimation, Array processing, Bessel weighting, Spectral analysis ... 04742
- Parameter estimation, Modeling, Autoregressive analysis ... 03142
- Parameter estimation, Spectral analysis ... 07898
- Particle detectors, Crosstalk, Impedance, Capacitance ... 06890
- Radar, Ambiguity functions ... 07899
- Radio communications, Channels, Distortion, Fading ... 09309
- Radios, Receivers, Modulation, Feedback, AM ... 02909
- Radios, Waves, Ionosphere, Measurement, Receivers ... 01638
- Resonance, Ferromagnetics, Nuclear magnetic resonance ... 01895

Signals, (continued)
Restoration, Algorithms 01553
Sampling methods, Pattern recognition, Mapping 06324
Sequences, Counters, Arithmetic circuits 04755
Signal analysis, Generalized Fock spaces 03131
Signal flow graph, Gain, Decomposition 04743
Signal set design, Boundary value problems 06347
Simulation, Delay, Estimation 06331
Smoothing, Filtering, Embedding 06336
Solar cells, Acoustooptics, Interferometry, Temperature 00854
Spectral analysis, Filtering, Shannon's theorem 03147
Spectral analysis, Functions, Markov chains, Ergodicity 01547
Spectral analysis, Waveforms, Modulation, CPFSK signals 09528
Speech transmission, Algorithms, Fourier transforms 09539
Spread spectrum communications, Radios, Mobile systems, Frequency, Tracking 01303
Televisions, Coding, Pulse code modulation 09587
Televisions, Coding, Quantization, Analog to digital conversion 01386
Transducers, Threshold, Calibration 04330
Transmission, Jitter, Time measurement, Filters 03168
Transportation, Control systems, Frequency, Optimization, Modeling 07102
Waveforms, Filters, Pulses, Delay, Ambiguity 08737

Silicon,
Accelerometers, Design, Fabrication, Capacitance 05130
Alloys, Beryllium, Gold, Ion sources, Fabrication 03429
Aluminum, Contact resistance, Boron, Doping, Annealing 03474
Aluminum, Contacts, Electrical resistivity, Doping, Transmission lines 05074
Aluminum, Resistance, Sintering, Ohmic contacts 00297
Aluminum, Schottky diodes, Fabrication, Sputtering, Etching 02711
Amorphous materials, Bibliography, Solar cells, Photovoltaics 06670
Amorphous materials, Charge coupled devices, Electron density, Temperature 07629
Amorphous materials, Sputtering, Bias, Schottky barriers, Dissertation 09191
Bipolar transistors, Doping, Numerical analysis, Carrier mobility 02696
Bipolar transistors, Epitaxial growth, Reactive ion etching 02750
Bipolar transistors, Npn junctions, Fabrication 01202
Channeling, EBIC, Structural analysis, Crystal defects 06748
Color, Sensors, Photodiodes, Integrated circuits 08930
Computer aided control, Metal oxide semiconductors, Capacitance, Buses 00732
Computer graphics, Displays, Portability, Semiconductors, Transistors 07590
Contacts, Electrical resistance, Impedance, Performance 09304
Crystal growth, Doping, Integrated circuits, Thin films 02828
Crystallization, Lasers, NMOS, Transistors, Fabrication 07604
Current voltage, Temperature, Photovoltaics 03941
Design, Fabrication, Field effect transistors, Photodetectors, Technology 07256
Detection, Fabrication, Design, Electronic equipment, Research and development 06887
Dielectrics, Diodes, Short circuits, Testing, Electrophotography 05882
Diffraction gratings, Etching, Waveguides, Optics 07336
Diodes, Ionization, Breakdown, Voltage 09080
Diodes, Microwaves, Gain, Carrier waves 01135
Diodes, Solar cells, Short circuits, Recombination 07270
Diodes, Space charge, Illumination, Degradation, Annealing 05907
Diodes, Transducers, Thermal variables measurement, Space charge 08374
Diodes, Transistors, Thermodynamics, Simulation, Transducers 07510
Doping, Annealing, Power, Rectifiers, Thyristors 01121
Doping, Chalcogens, Semiconductors, Fabrication 05898
Doping, Gallium arsenide, Carrier mobility, Electrons, Concentration 02720
Doping, Solar cells, Voltage, Performance 08334
Electrooptics, Photodetectors, Metal oxide semiconductors 02762
Etching, Integrated circuits, Reactors 01268
Fabrication, Metal oxide semiconductors, Logic circuits, Temperature 02756
Field effect transistors, Amorphous materials, Channels, Vertical-type 09233
Field effect transistors, Power transistors, Research and development 05935
Field effect transistors, Switching, Amplification 02745
Films, Metallization, Solar cells, Printing, Process development 07271
Flow, Anemometers, Sensors, Thermal conductivity, Heat transfer 06866
Gallium arsenide, Bipolar devices, Integrated circuits, Microwave devices 01240
Gallium arsenide, Circuitry, Energy consumption, Radiation, Radar 09301
Germanium, Pn junctions, Capacitance, Thermometers 00252
Heterojunctions, Chemical vapor deposition, Current voltage, Si/SnO_2 00216
Hydrogenation, Amorphous materials, Electron mobility, Transistors 09200
Image processing, Optical communications, Liquid crystals, Structural analysis 07300
IMPATT diodes, Breakdown, Current voltage 09190
Integrated circuits, Biomedical engineering, Transducers, Electronic equipment 06992
Integrated circuits, Fabrication, MOSFET, CMOS, FIPOS 07670
Integrated circuits, Field effect transistors, Computer aided design 09218
Integrated circuits, Image processing, Scanning electron microscopy 04467
Integrated circuits, Metal oxide semiconductors, Schottky barriers, Junctions 07669
Interfaces, Silicon dioxide, Carrier mobility, Thermal variables measurement 04401
Interfaces, Thresholds, Noise, Field effect transistors 01214
Ion implantation, Annealing, Xenon, Solar cells 00778
Ion implantation, Argon, Schottky diodes, Damage 05913
Ion implantation, Boron, Gallium arsenide, MESFET, Fabrication 05967
Ion implantation, Field effect transistors, Semiconductors, Substrates 01199
Irradiation, Metal oxide semiconductors, Field effect transistors 02749
Large scale integration, Redundancy, Inspection, Fault tolerance 09265
Leakage current, Diodes, Charge carriers, Diffusion 04380
Logic circuits, Bipolar devices, Thermal variables measurement, Modeling 02819
Magnetic fields, Sensors, Transistors, Pn junctions 06836
Materials planning and control, Service life, Capacitors 02478
Materials testing, Ceramics, Stress, Crack propagation 03504
Memory, Correlators, Surface acoustic waves, Signal processing, Dissertation 00337
Metal oxide semiconductors, Capacitors, Conductance, Capacitance voltage 01196
Metal oxide semiconductors, Charge, Surface properties, Insulators 02472
Metal oxide semiconductors, Insulators, Logic circuits, Voltage 01232
Metal oxide semiconductors, Integrated circuits, Product development 02820
Metal oxide semiconductors, Junctions, Annealing, Programming languages 09206
Metal oxide semiconductors, Lasers, Crystallization, Fabrication, Transistors 09224

Silicon, (continued)
Metal oxide semiconductors, Photosensors, Charge coupled devices, Dissertation 0114
Metal oxide semiconductors, Pn junctions, Current voltage, Recombination 092
Metals, Semiconductors, Schottky diodes, Hydrogen, Adsorption 075
Microwave devices, Bipolar transistors, Oscillators, Design 088
Molds, Solidification, Solar cells 056
Molecular beam epitaxy, Integrated circuits, MOSFET, NMOS 059
Monte Carlo method, Metal oxide semiconductors, Field effect transistors 027
Monte Carlo method, Modeling, Metal oxide semiconductors, Electrons 059
MOSFET, Far infrared, Emissions, Electrons, Thermal variables measurement 059
MOSFET, Inverters, Switching, Frequency, Temperature 076
MOSFET, Thin films, Grain boundaries, Integrated circuits, Simulation 092
MOSFET, Transistors, Fabrication, Tantalum 092
Online systems, Electron beams, Data transmission, Logic circuits, Arrays 028
Optical communications, Converters, Structural analysis, Liquid crystals 072
Oxides, Ion implantation, Dielectricity, Capacitance voltage 059
Parallel processing, Integrated circuits, Metal oxide semiconductors, Channels 087
Photoconductivity, Detectors, Impurities, Lifetimes 055
Photoconverters, Infrared, Reflection, Titanium, Films 0021
Photodetectors, Metal insulator semiconductors, Tunnel junctions 056
Photodetectors, MOSFET, Charge coupled devices 055
Photodiodes, Arrays, Breakdown, Simulation 088
Photoelectric effect, Solar cells, Voltage, Short circuits 007
Photovoltaics, Solar energy, Energy conversion, Research and development 088
Pn junctions, Photovoltage, Doping, Degeneracy 039
Pn junctions, Recombination, Leakage current, Charge carriers 026
Pressure measurement, Integrated circuits, Piezoresistivity, Sensors 026
Pressure measurement, Sensors 034
Pressure, Sensors, Performance, Voltage, Current 083
Probes, Plasmas, Tokamaks 066
Production, Technological forecasting, Solar energy, Research and development 033
Programming, Logic circuits, Arrays, Optimization, Computer programs 044
Protection, Integrated circuits, Packaged components, Reliability 027
Pulse code modulation, Televisions, Structural analysis, Modeling 094
Random access memory, Storage, Transistors, Capacitance, Fabrication 0764
Read only memory, Integrated circuits, Surface protection, Radiation hardening 059
Schottky barriers, Photodiodes, Scintillation, Counters 055
Schottky diodes, Germanium, Current voltage, Capacitance voltage 0271
Schottky diodes, Lithography, Etching, Superconductivity, Electrodes 043
Schottky diodes, Platinum, Barrier heights, Current voltage 0591
Schottky diodes, Tunnel junctions, Niobium 0421
Semiconductors, Field effect transistors, Logic circuits, Beams, Switching 075
Semiconductors, Field effect transistors, Logic, Switching, Simulation 0274
Sensors, Films, Structural analysis, Acoustics, Frequency 0684
Sintering, Electrical resistivity, Metal oxide semiconductors, Pn junctions 0282
Solar cells, Amorphous materials, Electric fields, Boron, Open circuit voltage 0563
Solar cells, Charge carriers, Lifetimes, Short circuits, Open circuit voltage 0563
Solar cells, Contacts, Metallization, Current voltage 0561
Solar cells, Defects, Electrons, Irradiation, A-Si:H 0888
Solar cells, Design, Fabrication, Passivation 0726
Solar cells, Dislocations, Injection, Illumination, Short circuits 0563
Solar cells, Electrons, Irradiation, Performance, Degradation 0727
Solar cells, Energy conversion, Photovoltaics 0726
Solar cells, Energy conversion, Photovoltaics, Fabrication 0250
Solar cells, Evaporation, Vacuum technology, Manufacturing 0728
Solar cells, Fabrication, Etching 0560
Solar cells, Fabrication, Ion implantation, Annealing 0563
Solar cells, Fabrication, Ion implantation, Current density 0394
Solar cells, Fabrication, Pnn junctions, Ion implantation, Masks 0565
Solar cells, Fabrication, Schottky barriers, Pn junctions 0564
Solar cells, Fiber optics, Tin oxide, Waveguides 0560
Solar cells, Films, Pin junctions, Recombination 0563
Solar cells, Heat treatment, Current density, Stability, $Pd/Nb_2O_5/a\text{-}Si:H$ 0078
Solar cells, Ion implantation, Flash lamps, Annealing 0887
Solar cells, Junctions, Injection, Current voltage 0564
Solar cells, Junctions, Ion implantation, Electrons, Annealing 0562
Solar cells, Junctions, Open circuit voltage, Phosphorus, Precipitation 0562
Solar cells, Metallization, Surface properties, P-Si/Ni 0888
Solar cells, Ohmic contacts, Contact resistance, Tunneling 0564
Solar cells, Open circuit voltage, Recombination, Doping, Performance 0561
Solar cells, Optical analysis, Amorphous materials, Schottky barriers 0728
Solar cells, Optimization, Open circuit voltage, Short circuits, Coatings 0393
Solar cells, Phosphorus, Ion implantation, Annealing, Current voltage 0562
Solar cells, Photovoltaics, Energy conversion, Performance 0561
Solar cells, Photovoltaics, Energy conversion, Research and development 0181
Solar cells, Photovoltaics, Fabrication, Lifetimes 0394
Solar cells, Pin junctions, Schottky barriers, Degradation 0078
Solar cells, Pin junctions, Stability, a-Si:H 0565
Solar cells, Pn junctions, Fabrication, Dissertation 00791
Solar cells, Pn junctions, Open circuit voltage, Charge carriers, Lifetimes 0500
Solar cells, Point contacts, Design, Energy conversion, Temperature 0561
Solar cells, Point defects, Carbon, Oxygen 0833
Solar cells, Recombination, Performance, Absorption 05611
Solar cells, Sputtering, Fabrication, Current voltage, Photoconductivity 05631
Solar cells, Stress, Diffusion, Voltage, Open circuit voltage 0833
Solar cells, Surface properties, Etching, Ion implantation 08875
Solar collectors, Chemical vapor deposition, Coatings, Energy conversion 03948
Sputtering, Metal insulator semiconductors, Capacitance voltage, Conductance 09185
Surface acoustic waves, Resonators, Lasers, Annealing, Modes 07494
Surface properties, Polaritons, Amplification, Current, Electromagnetic waves 03221
Thin films, Doping, Piezoelectricity, Transducers, Temperature 04332
Thin films, Epitaxial growth, Solar cells 03927
Thin films, MOSFET, Current voltage, Carrier mobility, Modeling 07580
Thin films, Transistors, Tantalum pentoxide, Etching, Transconductance 07608
Transducers, Semiconductors, Sensors, Reliability 05833
Transducers, Sensors, Integrated circuits, Pressure 09130

con, (continued)
Transistors, Contacts, Transconductance, Voltage, Capacitance 09203
Transistors, Frequency, Impedance 02730
Transistors, Microprocessors, Metal oxide semiconductors, Design, Radiation 04491
Tunnel junctions, Injection, Charge carriers, Metal insulator semiconductors 07577
Varactors, Fabrication, Capacitance, Tuning 08852
Zinc oxide, Excitation, Pressure, Measurement 08386
icon carbide,
Electroluminescence, Schottky diodes, Deformation, Band gaps 07554
Thin films, Tantalum, Resistors, Printers, Thermal variables measurement 03893
icon dioxide,
Anodes, Passivation, Pn junctions, Oxidation 01167
Fiber optics, Chemical vapor deposition, Fluid mechanics, Optics 01337
Fiber optics, Communications, Injection lasers, InP/InGaAsP 07757
Films, Dielectrics, Waveguides, Fabrication 05887
Insulators, MOSFET, Indium phosphide, Channels, Transport properties 07598
Interfaces, Carrier mobility, Thermal variables measurement, Trapping 04401
Laser diodes, Fiber optics, Amplification 08978
Lithium niobate, Acoustics, Wave propagation, Sensors, Research and development 05121
Lithium niobate, Surface acoustic waves, Coupling, Transducers 05123
MNOS, Transistors, Polarization, Kinematics, Temperature 05931
Solar energy, Fuel cells, Materials planning and control, Diffusion 00203
Surface acoustic waves, Wave propagation, Transducers 05119
Traps, Boron, Ion implantation, Metal oxide semiconductors 05959
licon hydride,
Thin films, Solar cells, Absorption, Optical analysis, Short circuits 05001
licon monoxide,
Passivation, Gallium arsenide, MESFET, Amplifiers 07601
licon nitride,
Fabrication, Integrated circuits, Metal insulator semiconductors 02863
Film growth, Sputtering, Spectroscopy, Diffusion, Dissertation 07602
Film growth, Tunneling, Switching, Metal insulator semiconductors 04387
Films, Trapping, Kinetics, NMOS, Photoelectric effect 07559
Masks, Metal oxide semiconductors, Oxidation, Fabrication, Integrated circuits 02862
MNOS, Transistors, Contacts, Injection, Degradation 05932
MNOS, Transistors, Polarization, Kinematics, Temperature 05931
Passivation, Gallium arsenide, MESFET, Amplifiers 07601
licon on sapphire,
Metal oxide semiconductors, Circuitry, Computer aided design, Fabrication 09240
licone,
Calorimetry, Inspection, Quality control, Components 03415
Elastomers, Integrated circuits, Protection, Packaged components 06084
Insulators, Transformers, Thermal variables measurement, Reliability 09175
Paper industry, Electronics, Equipment, Transformers 04931
Resists, Etching, Fabrication, Electrooptics 06779
lver,
Alloys, Aluminum, Superconductors, Current voltage, Defects 09059
Alloys, Contacts, Manufacturing, Oxidation, Atomization 07236
Composite materials, Refractories, Contacts, Surface properties, Erosion 07237
Contacts, Polyacetylene, Current voltage, Capacitance voltage 05147
Metal insulator semiconductors, Schottky diodes, Fabrication, Barrier heights 04389
Surface properties, Surface roughness, Light scattering, Numerical analysis 08041
lver halide,
Fiber optics, Attenuation, Wave propagation, Optical analysis 07725
Holography, Radiation, Scattering, Recording systems, Lasers 09042
lver selenide,
Film growth, Evaporation, Vacuum technology, Diodes, Barrier heights 04386
imulation,
Access, Radio communications, Communication networks, Routing, Packet switching 01309
Access, Transmission, Local area networks, Protocols 04631
Actuators, Magnetic variables control, Dissertation 05234
Aerodynamics, Guidance and control systems, Spacecraft, Performance 05270
Air traffic control, Aircraft, Tracking, Radar, Kalman filters 07861
Air traffic control, Performance, Speech transmission, Packet switching 07938
Aircraft engineering, Vibration, Helicopters 00463
Aircraft, Guidance and control systems, Displays, Technology 05249
Aircraft, Guidance and control systems, Maximum likelihood estimation, Failure 02082
Aircraft, Instrumentation, Displays, Guidance and control systems 00457
Aircraft, Propulsion, Flight control systems, Stability, Modeling 05266
Aircraft, Propulsion, Performance, Multivariate analysis, Modeling 08580
Aircraft, Technology, Training, Microprocessors, Economics 06964
Algorithms, Logic, Delay, Metal oxide semiconductors, Communication networks 05924
Amplifiers, Superconductivity, Josephson junctions 04117
Annealing, Computer aided design, Integrated circuits, Wiring, Routing 02809
Antennae, Performance, Computer aided analysis 08111
Arc furnaces, Current voltage, Electric variables control, Stability 05808
Atmospheric conditions, Geophysics, Plasmas, Modeling, Research and development 00577
Atmospheric conditions, Remote sensing, Satellite communications, Pressure 02278
Attenuation, Computed tomography, SPECT 05301
Autoregressive analysis, Signal detection, Noise 03112
Autoregressive analysis, Signals, Parameter estimation 03142
Ballistics, Gallium arsenide, Displacement, Electrons, Numerical analysis 01109
Biomedical engineering, Image processing, Reconstruction, Pattern recognition 03672
Biomedical engineering, Imaging, Brain, Magnetic fields 05323
Biomedical engineering, Materials testing, Corrosion, Wear, Thermodynamics 08642
Bipolar devices, Multiplexers, Integrated circuits, Optical communications 09282
Bipolar devices, Transistors, Performance, Gallium arsenide 09199
Bipolar transistors, Finite difference method 05929
Calibration, Spacecraft, Launching facilities 03643
Capacitance, Algorithms, Processors, Topology, Integrated circuits 02816
Capacitors, Switching, Voltage, Logic circuits 07249
Capacitors, Voltage, Reliability, Computer programs, Failure 04898
Cardiovascular system, Medical electronics, Signal processing 03673
Cardiovascular system, Monitoring, Fetal heart rate 00519
Circuit breakers, Harmonics, Power systems, Transmission lines 03766
Circuit breakers, Interrupters, Current 00110
Simulation, (continued)
Circuitry, Bifurcation, Diodes, Current voltage, Junctions 08772
Circuitry, Bifurcation, Oscillation, Equilibrium 07149
Circuitry, Capacitors, Charge, Switched capacitors 05572
Circuitry, Communication networks, Control systems, Flow, Traffic 04580
Circuitry, Controllers, Stability 03827
Circuitry, Fabrication, Computer aided design 07158
Circuitry, Fault tolerance, Matrices, Dynamical systems 08771
Circuitry, Filters, Computer aided design 00656
Circuitry, Functions, Current voltage, Waves, Loading 08186
Circuitry, Impedance, Resistance, Two-terminal devices 02419
Circuitry, Machinery, Synchronization, Waveforms, Computer programs 00064
Circuitry, Voltage, Resistors, Inductors, Diodes 07184
Clinical medicine, Tissues, Hyperthermia, State of the art 05341
Clinical medicine, Tissues, Hyperthermia, Thermal variables measurement 05342
Closed loop systems, Control, Quantization, Pulse code modulation 06909
Coding, Ultrasonics, Transducers, Calibration, Nondestructive testing 03511
Communication networks, Distributed systems, Automation, Control systems 03761
Communication networks, Education, Switching, Capacitors, Filters 02352
Communication networks, Interactive systems, Minicomputers, Processors, Modems 07825
Communication networks, Mobile systems, Radios, Architecture, Algorithms 07685
Communication networks, Satellite communications 07804
Communication networks, Software packages, High level languages, Performance 07821
Communication networks, Tracking, Controllers, Stability, Power systems 04965
Communications, Bandwidths, Noise, Filters 07885
Communications, Channels, Time measurement 03160
Communications, Noise, Filters, Dissertation 04733
Computed tomography, Filters, Radiology 03663
Computer aided control, Systems design, Delays, Error, Performance 02018
Computer aided design, Circuitry, Architecture, Palladio 02409
Computer aided design, Communication networks, Modeling, Decomposition 07823
Computer aided design, Communication networks, Packet switching 08000
Computer aided design, Filters, Topology, Integrated circuits 08739
Computer aided design, Integrated circuits, Field effect transistors 06778
Computer aided design, Integrated circuits, SABLE 07623
Computer aided design, Structural analysis, Logic, Technology 06005
Computer applications, Control systems, Aircraft, Lightning 00471
Computer graphics, Interactive systems, Validation, Prediction, Dissertation 03095
Computer programs, Flow, Measurement, Desktop systems 03534
Computer programs, Lightning, Transmission lines, Voltage 04924
Computer programs, Sonobuoys, Oceanography, Validation, Waves 07056
Control systems, Computer programs, Programming languages 05171
Control systems, Modeling, Numerical analysis 05178
Control systems, Voltage, Induction motors, Loading, Algorithms 06522
Controllers, Asymptotic behavior 00439
Controllers, Electric power generation, Attenuation, Algorithms, Dissertation 03302
Controllers, Loops, Converters, Drives, Stability 06568
Controllers, Power systems, Dissertation 06695
Controllers, Systems design, Deadbeat controllers 05226
Corrosion, Polarization, Current, Electrodes 00260
Cyclotrons, Masers, Frequency 07342
Data communications, Signal transmission, Speech recognition 06237
Data communications, Signal transmission, Speech recognition 07944
Data transmission, Channels, Delay, TDMA 09571
Density, Distributions, Interfaces, Metal oxide semiconductors 02763
Drains, Metal oxide semiconductors, Field effect transistors 01261
Drives, Current, Velocity control 06607
Electric fields, Modeling, Cytology 07016
Electric fields, Thermodynamics, Frequency, Finite difference method 05813
Electric power distribution, Loading, Economics 06697
Electric power generation, Computer aided control, Modeling, Performance 04889
Electric power generation, Education, Laboratories, Modeling 05432
Electric power generation, Loading, Economics, Reliability, Probability 03316
Electric power generation, Reliability, Accidents, Personnel, Training 01856
Electric power generation, Stability, Stochastic processes, Computer programs 01858
Electric power generation, Stability, Switching, Random processes, Probability 00152
Electric power generation, Stability, Time measurement, Modeling 04946
Electric power generation, Thermodynamics, Geology, Economics 06686
Electric power generation, Voltage, Instrumentation, Radiation, Testing 08235
Electric power generation, Voltage, Protection 08185
Electric power transmission, Damping, Fault tolerance 06594
Electric power transmission, Fault tolerance, Short circuits 08181
Electric power transmission, Induction motors 08147
Electric variables control, Thermodynamics, Finite element method 07461
Electrical resistivity, Superconductivity, Voltage, Switching 04150
Electromagnetics, Excitation, PARTES concept 03214
Electromagnetics, Frequency, Waves, Boundary value problems, Numerical analysis 00314
Electromagnetics, Interference, Signal processing 08016
Electromagnetics, Pulses, Electric variables control 04811
Electronic equipment, Machinery, Modeling, Stability, Testing 06520
Electronic equipment, Networks, Computer graphics, Man machine interactions 05514
Electrooptics, Modulation, Heterostructure lasers, SPICE 08997
Encoding, Gaussian sources, Quantization, Dissertation 04790
Energy conversion, Aluminum gallium arsenide, Solar cells 02510
Estimation, Guidance and control systems, Sensors, Filters, Partitioning 06282
Fabrication, Computer aided design, Integrated circuits, FABRICS II 06077
Fabrication, Computer aided design, Integrated circuits, PATOIS 09278
Fault detection, Circuitry, Logic, Dictionaries, Algorithms 06067
Fault detection, Combinational circuits, Integrated circuits, Input output 06056
Fault tolerance, Software packages, Failure, Dissertation 06057
Feedback, Decision making, Radios, Performance, Receivers 07686
Fiber optics, Sensors, Lasers, Flow, Measurement 04341
Field effect transistors, Current voltage, Monte Carlo method, MESFET 02758
Field effect transistors, Drift diffusion current, Computer aided design 02767
Films, Sensors, Thermodynamics, Modeling, Materials testing 07463
Filtering, Nondestructive testing, Paper industry, Signal processing, Delay 04750

Simulation, (continued)
Filters, Estimation, Error, Signal processing, Delay 01544
Filters, Maximum likelihood estimation, Modeling, Waves, Stochastic processes 01541
Filters, Noise, Transfer functions, Spectral analysis 00669
Filters, Quantization, Error 07111
Filters, Specifications, Computer aided design 07134
Filters, Switching, Capacitors, Transformations, Circuitry 08741
Filters, Tracking, Modeling 08749
Finite element method, Generators, Loading, Synchronization, Numerical analysis 06546
Finite element method, Synchronous machines, Generators 08170
Flight control systems, Systems analysis, Military aircraft 02078
Frequency, Signal to noise ratio 09533
Gallium arsenide, Field effect transistors, Current, Electron beams, Radiation 01221
Gallium arsenide, Field effect transistors, Density, Logic circuits 07589
Gallium arsenide, IMPATT, Diodes 02700
Gallium arsenide, Logic circuits, Large scale integration 04508
Gallium arsenide, Transistors, Performance, Prediction, Numerical analysis 05923
Gas lasers, Pumping, Pulse generation 08959
Geology, Remote sensing, Thermal variables measurement, Surface properties 02179
Geometry, Integrated circuits, Computer programs, Metal oxide semiconductors 02768
Glass, Radioactive materials handling, Melting 02623
Glint, Electromagnetics, Scattering, Radar 04721
Guidance and control systems, Navigation, Satellite communications 07857
Gyrotrons, Amplifiers, Waveguides, Magnetic fields 08082
Heating systems, Solar energy, Electric power generation 01826
Helicopters, Stability, Guidance and control systems, Displays, Instrumentation 05263
Hydroelectric power generation, Damping, Loading, Flow, Turbines 04881
Hydroelectric power generation, Frequency, Scanning, Impedance, Measurement 04963
Hydroelectric power generation, Optimization, Water supply, Meteorology 03380
Hydroelectric power generation, Pumps, Storage, Computer programs 01702
Hyperthermia, Biology, Tissues, Cancer 05340
Hyperthermia, Ultrasonics, Tumors, Computer applications 07001
Image processing, Data compression, Pulse code modulation, Dissertation 05699
Image processing, Interpolation, Computed tomography, Frequency, Functions 06995
Image processing, Video systems, Computer aided analysis 01322
Insulators, Contamination, Transmission lines, Electric power transmission 04923
Integral equations, Boundary value problems, Eddy current 06753
Integrated circuits, Computer aided analysis, Logic, Structural analysis 06051
Integrated circuits, Computer aided design, Relaxation 04460
Integrated circuits, Computer aided design, Verification 09296
Integrated circuits, Design, Fabrication, Error, Metal oxide semiconductors 07638
Integrated circuits, Fabrication, Computer aided design, Dissertation 09277
Integrated circuits, Fabrication, Verification, Pattern recognition, Algorithms 07641
Integrated circuits, Fault detection, Modeling, Computer aided design 07105
Integrated circuits, Field effect transistors, Computer aided design, Silicon 09218
Integrated circuits, Junctions, Computer programs, Capacitors 02802
Integrated circuits, Metal oxide semiconductors 05928
Integrated circuits, Noise abatement, Voltage, Power supply, Phase locked loops 02838
Integrated circuits, Prototyping, Speech recognition, Architecture 07618
Integrated circuits, Schottky barriers, Diodes, Gallium arsenide, Modeling 01145
Integrated circuits, Signal processing, Fault tolerance, CMOS, Crosstalk 08905
Integrated circuits, Structural analysis, Design, Modeling, Semiconductors 04364
Interactive systems, Minicomputers, Control systems, DESIRE 05418
Interactive systems, Time sharing systems, Calculators, Structural analysis 04961
Internal combustion engines, Microcomputers, Computer aided control 02335
Ion implantation, Electromagnetics, Wave propagation, Lithium niobate 06438
Josephson junctions, Tunnel junctions, Logic circuits, Time measurement 04075
Kinematics, Robots, Software development 00394
Large scale integration, Integrated circuits, Modeling, Memory 04458
Learning, Neural systems 05319
Lightning, Aircraft, Current, Performance 00452
Loading, Stability, Power systems 06604
Local area networks, Packet switching, Protocols, Speech transmission 04640
Local area networks, Protocols, Telephones, Technology, Packet switching 07843
Local area networks, Protocols, Validation 04637
Logic circuits, Fabrication, Josephson junctions 09286
Loops, Conductors, Modeling, Performance, Current 03888
Magnetic fields, Rotors, Distributions, Integral equations, Synchronization 06516
Magnetohydrodynamics, Generators, Transient flow 06628
Mainframes, Electric power transmission, Impedance, Relays 06621
Mapping, Data bases, Geology, Image processing, Displays 00533
Mapping, Geology, Image processing, Photography, Color 02252
Mapping, Signal processing, Forestry, Data collection, Spectral analysis 08648
Mathematical models, Finite element method, Communication networks, Motors 01682
Mathematical models, Transmission lines, Grounding 04913
Measurement errors, Lasers, Fluid dynamics, Anemometers 02598
Mechanical handling, Manipulators, Control systems 05203
Mechanical handling, Vision, Bar codes, Pattern recognition 02297
Medical electronics, Radiology, Image processing, Filters 05042
Metal oxide semiconductors, Arrays, Technology, Fabrication, Logic circuits 04414
Metal oxide semiconductors, Circuitry, Current voltage, Approximations, Scaling 06003
Metal oxide semiconductors, Current, Conductance 09216
Metal oxide semiconductors, Field effect transistors, HP-SPICE 05945
Metal oxide semiconductors, Integrated circuits, Matrices, Computer programs 01256
Metal oxide semiconductors, Logic circuits, Reliability, Fault tolerance 09205
Metal oxide semiconductors, Transistors, Design, Dissertation 02744
Microcomputers, Internal combustion engines, Ignition, Torque measurement 02338
Microcomputers, Seismology, Signal processing, Modeling, Transmission 05365
Microelectronics, Computer aided design, Dissertation 07627
Microelectronics, Electric variables control, Voltage, Isolation structures 09275
Microprocessors, Control systems, Robustness, Velocity 01692
Microprocessors, Filters, Construction, Error, Weighting 02356
Microwaves, Remote sensing, Agriculture 05350
Military aircraft, Guidance and control systems, Performance, Aerodynamics 08591
Military aircraft, Speech recognition, Man machine interactions, Modeling 04691
Military engineering, Weapons, Service life, Reliability 00500

Simulation, (continued)
Military, Missiles, Tracking 0786
Missiles, Aircraft, Performance, Velocity, Tracking 0525
Missiles, Controllers, Optimization, Dissertation 0862
Missiles, Guidance and control systems 0698
Mobile systems, Radios, Access, Speech transmission, Delay 0768
Mobile systems, Radios, Telecommunications, Algorithms, Graphs 0289
Modeling, Circuitry, Transformers, Magnetization, Structural analysis 0108
Modeling, Control systems, Dynamics, Electronic equipment, Problem solving 0356
Modeling, Delay, Controllers, Specifications, Algebraic equations 0522
Modeling, Loops, Electromagnetics, Control systems, Hysteresis 0108
Modeling, Speech synthesis, Multiplexing, Delay, Packet switching 0799
Modeling, Transmission lines, Circuitry, Current voltage, Impedance 0330
Modeling, Turbogenerators, Stability 0171
Modeling, Turbulence, Electromagnetics, Wave propagation, Algorithms 0321
Modulation, Signal processing, Receivers 0959
Modulation, Signal transmission, Filtering, Integral equations, Broadcasting 0797
Monte Carlo method, Electric power generation, Loading, Forecasting, SAM 0496
Monte Carlo method, Electric variables control, Current voltage 0656
Monte Carlo method, Heterostructures, Electrical conductivity, GaAs-GaAlAs 0592
Monte Carlo method, Integrated circuits, Masks, Implants 0600
Monte Carlo method, Noise, Microwaves, Soil science 0344
Monte Carlo method, Radar, Signal detection 0787
Monte Carlo method, Radio communications, Signal transmission 0612
Monte Carlo method, Scintillators, Performance 0515
Monte Carlo method, Solar cells, Performance, Numerical analysis 0560
Motors, Drives, Position control 0006
Motors, Electric vehicles, Propulsion 0653
Motors, Synchronization, Magnetic variables measurement, Performance 0652
Networks, Packet switching, Speech transmission 0635
Networks, Power systems, Damping, Modulation 0661
Networks, Routing, Traffic, Circuit switched networks 0626
Networks, Software development, SWITCAP 0549
Networks, Switching, Capacitors, Functions, Frequency 0549
Neurophysiology, Current, Dipoles, Modeling, Generators 0863
Noise, Signal processing, Satellite communications, Dissertation 0130
Nondestructive testing, Transducers, Electric variables control 0751
Nuclear magnetic resonance, Measurement errors, Image processing, Distortion 0027
Nuclear medicine, Imaging, Scintillation Cameras 0530
Nuclear physics, Gases, Electron conductivity 0189
Nuclear power plants, Nuclear reactors, Loading, MAXI-LILLIPUT 0832
Nuclear reactors, Dosimetry, Spectral analysis 0074
Numerical analysis, Doping, Bipolar devices, Semiconductors 0111
Oceanography, Surveys, Image processing, Radar, SAR 0950
Optical character recognition, Filters, Pattern recognition 0065
Optical storage, Recording systems, Sensitivity 0149
Optics, Design, Quality control, Aircraft engineering, Displays 0888
Optics, Signal processing, Interferometers, Spectral analysis 0729
Optimization, Bipolar devices, Metal oxide semiconductors, Computer programs 0281
Optimization, Communication networks, Filters, Impedance, Amplifiers 0064
Optimization, Systems design, Signal processing 0790
Packet switching, Broadcasting, Data transmission, R-ALOHA 0610
Packet switching, Traffic, Communication networks, Speech transmission 0795
Parameter estimation, Signal processing, Noise, Damping, Dissertation 0632
Performance, Synchronizers, NRZ-PAM 0242
Performance, Wind energy, Solar energy 0666
Phase locked loops, Filters, Frequency, Tracking, Noise 0236
Phase locked loops, Numerical analysis, Traveling wave tubes 0896
Poisson processes, Speech transmission, Distributions, Multiplexing 0799
Power plants, Control systems, Turbines, Current voltage, Generators 0501
Power supply, Electric power generation, Loading, Flow, Networks 0023
Power systems, Loading, Reliability, Electric variables control 0661
Power systems, Stability 0660
Propulsion, Aircraft engineering, Solar energy, Circuitry, Capacitors 0499
Protocols, Queueing theory, Validation, Control systems 0461
Psychology, Testing, Feedback, Dissertation 0063
Pulse code modulation, Encoding, Quantization 0959
Pulse generation, Impedance, Frequency, Matching 0882
Pulses, Frequency, Signal processing, Performance, Error 0721
Radar, Frequency, Systems design, Fast Fourier transforms, Polarization 0629
Radar, Performance, Atmospheric conditions 0786
Radar, Signal detection, Resolution 0472
Radar, Signal processing, FORTRAN 0786
Radar, Tracking 0786
Radios, Mobile systems, Telecommunications, Military engineering 0129
Random processes, Signal processing, Noise, Filters, Modeling 0633
Receivers, Heat exchangers, Solar energy 0022
Recording systems, Magnetic storage, Output, Computer aided analysis 0109
Remote sensing, Autocorrelation, Image processing, Mapping 0702
Remote sensing, Water color, Sensors, Calibration, Radiation 0705
Research and development, Missiles, Guidance and control systems, Fiber optics 0698
Robots, Computer aided design, Computer graphics 0856
Robots, Computer aided design, Planning, Process development 0690
Robots, Position control 0692
Robots, Programming languages, Computer graphics, Personal computers 0517
Satellite communications, Networks, Modeling, Optimization, Protocols 0461
Satellite communications, Radiation, Measurement, Scanning, Error 02097
Satellite communications, Signal transmission, Error, Control systems 0299
Satellite communications, Software packages, Channels, Coding, Modulation 0780
Satellite communications, Software packages, Structural analysis, Topology 07801
Satellites, Attitude control 08561
Schottky diodes, Current 04383
Semiconductors, Field effect transistors, Logic, Silicon, Switching 02746
Semiconductors, Microelectronics, Fabrication, Process control 07545
Semiconductors, Noise, Lasers, Modulation, Optical storage 09001
Semiconductors, Software development 05893

ulation, (continued)
emiconductors, Software development, Circuitry, Interference, Thermodynamics 05894
emiconductors, Solar cells, Boundary value problems, Modeling 07264
ensors, Signal reception, Emitters 06322
ervomotors, Control systems, Velocity control 06523
gnal detection, Delay, Gain, Cross-correlation method 03148
gnal detection, Segmentation, Spectral analysis 01550
gnal detection, Segmentation, Spectral analysis 06341
gnal processing, Antennae, Arrays, Dissertation 01561
gnal processing, Coding, Pulse code modulation, Estimation, Filtering 07965
gnal processing, Data transmission, Channels, Estimation, Radios 07679
gnal processing, Electronic equipment, Acoustic emissions, Monitoring 01988
gnal processing, Filtering, Sonar 09590
gnal processing, Filters, Modulation, Converters, Performance 02366
gnal processing, Generators, Perturbation, Measurement, Finite element method 01709
gnal processing, Microcomputers, Programming, Control systems, Measurement 01735
gnal processing, Noise, Filters 03793
gnal processing, Noise, Image processing, Dissertation 06311
gnal processing, Oscillators, Gallium arsenide, Numerical analysis 00693
gnal processing, Receivers, Circuitry, Error, Hue control 02943
gnal processing, Superconductivity, Josephson junctions, Logic circuits 04076
gnal processing, Transformations, Filters, Prewarping, Automation 03799
ignal reception, Channels, Signal to noise ratio 09567
ignals, Converters 05547
ignals, Delay, Estimation 06331
ignals, Interference, Phase locked loops 01556
ilicon, Diodes, Transistors, Thermodynamics, Transducers 07510
ilicon, Electronic equipment, Voltage, Integrated circuits, Design 00283
ilicon, MOSFET, Thin films, Grain boundaries 09208
ilicon, Photodiodes, Arrays, Breakdown 08866
oftware development, Research and development, Telephones, Mobile systems 04669
oftware packages, Signal transmission, Modulation, Radios, Fading 07683
olar cells, Current, Short circuits 07278
olar collectors, Heat transfer, Radiative transfer 03351
olar collectors, Radiative transfer, Flux 03350
olar energy, Power plants, Software development, Organization and methods 07277
pace technology, Rockets, Communications, Position control 03648
pace technology, Satellites, Retrieval, Torque control 03644
pace technology, Satellites, Vibration, Acoustics, Antennae 08605
pacecraft, Flight control systems, Modeling, Wind, Measurement 05262
pacecraft, Guidance and control systems, Sensors, Filters, Synchronization 06281
pacecraft, Instrumentation, Electronic equipment, Sensors 08598
pacecraft, Propulsion, Measurement, Flow, Modeling 08280
peech synthesis, Integrated systems, Data communications, Quality control 07812
tability, Controllers, Design, Optimization, Feedback 04954
tatistical analysis, Integrated circuits, Fault tolerance 06032
witches, Triodes, Current voltage, Space charge 01163
ynchronization, Control systems, Signal processing, Noise, Modeling 03128
ynchronous machines, Electric variables control, Short circuits 04865
elecommunications, Delay, Displays, Computer graphics, Control systems 05237
eleconferencing, Video systems, Microprocessors, Workstations 04561
erminals, Communication networks, Switching, Queueing theory, Performance 07999
ime measurement, Computer aided design, Integrated circuits 07624
ime measurement, Delay, Logic circuits 05995
ime measurement, Photomultipliers 05589
racking, Filtering, Noise 07862
racking, Signals, Filtering, Robustness 01595
ransducers, Finite element method, Dynamics, Electromagnetics, Modeling 06518
ransients, Induction motors 01679
ransistors, Current voltage, VMOS 05930
ransistors, Geometry, Silicon, Numerical analysis, Structural analysis 02729
ransmission lines, Computer aided instruction, Microcomputers, Current voltage 04302
ransmission lines, Current voltage, Fault detection 07469
ransmission lines, Electric power transmission, Electric variables control 06567
ransmission lines, Loading, Electric variables control, Waves 05821
unnel junctions, Charge carriers, Current voltage, Solar cells 00796
urbogenerators, Electric power generation, Finite element method 08171
ltrasonics, Signal processing, Biomedical engineering 05107
tilities, Electric power generation, Railway engineering, Electrification 01865
elocity, Power systems, Control theory, Induction motors 04867
erification, Hardware, Design, Dissertation 03739
ery large scale integration, Communication networks, Matrices 08768
ision, Image processing, Medical electronics, Eyeball torsional movement 00526
ision, Systems analysis, Mathematical models, Integrodifferential equations 05338
oltage, Bias, Metal oxide semiconductors, Field effect transistors 09217
oltage, Circuitry, Polymers, Materials testing 05564
aveguides, Semiconductors, Impedance, Frequency, Attenuation 04312
eapons, Missiles, Navigation, Position control 06981
ind, Electric power generation, Electric power transmission, Automation 05026
ind turbines, Electric power generation, Control systems, Generators 06551
ind turbines, Stability, Electric variables control 08230
e measurement,
omputer aided analysis, Vibration, Crack propagation 01972
lectric power generation, Magnetohydrodynamics, Channels, Optimization 00157
t antennae,
lectric fields, Conductivity, Numerical analysis 01665
ciology,
conomics, Telecommunications 01437
dium,
amps, Voltage, Pressure, Electric fields 08902
uclear reactors, Monitoring, Instrumentation, Cooling systems, Radioisotopes 05152
umping, Krypton, Gas lasers, Fluorescence, Spectral analysis 06740
umping, Lasers, Supersonic flow, Pulse generation, Power supply 00971
ignal processing, Fluorescence, Jets, Supersonic flow 00901
ulfur, Batteries, Design, Specific heat, Entropy 03334
ulfur, Batteries, Performance, Thermodynamics 06647

Sodium chloride,
  Single crystals, Optics, Heat treatment, Lasers 08949
Software,
  Adjustment codes, Least squares estimation, Nuclear reactors, Dosimetry 00745
  Computer aided analysis, Electric power generation, Production planning 01845
  Documentation, Energy conservation, CEL-1, Building illumination 00614
  Input, Stability, Guidance and control systems, Aircraft, Plotting 00466
  Least squares estimation, Mathematical models, Dosimetry 00195
  Magnetohydrodynamics, Electric power generation, Channels 00167
  Monte Carlo method, Electrons, Transport properties, Dissertation 01132
  Multiprocessing, Covariance, Cross sectional measurement, Nuclear reactors 00379
  Networks, Systems design, Computer aided design 00593
  Nuclear reactors, Accidents, Thermodynamics, Fuels, Prediction 03348
  Robots, Assembling, Automation, Production control 00400
  Satellite communications, Spacecraft, Systems analysis, Control systems 02893
  Spacecraft, Guidance and control systems, Space Shuttle 00473
  Systems design, Data transmission, Personal computers, Fiber optics 01341
  Telecommunications, Networks, Economics, Transmission lines 02987
Software development,
  Acoustics, Filtering, Electroencephalograms, Signal processing, Neurophysiology 05318
  Aerospace engineering, Guidance and control systems, Microcomputers, Receivers 06280
  Aircraft engineering, Microprocessors, Displays, Guidance and control systems 06958
  Algorithms, Harmonics, Control systems, Nonlinear equations, Dissertation 05921
  Algorithms, Signal processing, Amplifiers, Controllers, Signal to noise ratio 07902
  Analog to digital converters, Input output, Memory, Algorithms, Channels 05709
  Architecture, Radar, Parallel processing, Pipelining 06298
  Artificial intelligence, Robots, Control systems, Decision schema 06929
  Artificial intelligence, Robots, Microcomputers, Computer aided manufacturing 03592
  Buses, Channels, Communication networks, Storage, Assembly language 04979
  Buses, Spectrometers, Interfaces, Data processing, Economics 01897
  Circuitry, Fault detection, Dictionaries 06066
  Communication networks, Architecture, Traffic, Machine machine interactions 04595
  Communication networks, Packet switching 04649
  Communications, Military aircraft, Speech recognition 06275
  Communications, Syntax, CHILL 04630
  Composite materials, Stiffness, Elasticity, Velocity, Ultrasonics 05097
  Computer aided design, Artificial intelligence, Robots, GRASP 08566
  Computer aided design, Computer aided manufacturing, Technology 02348
  Computer programs, Productivity, Reliability, Military 02117
  Control systems, Electric power generation, Utilities 04949
  Control systems, Satellite communications, NATO III 06182
  Controllers, Manipulators, Robots, Computer aided design 08557
  Data base management systems, Access, Communications, Mainframes 00611
  Data communications, Artificial intelligence, Terminals 06217
  Data communications, Networks, Packet switching, Systems design 06201
  Documentation, Circuitry, Loops, Receivers, Modules 05110
  Eddy current, Thermal variables measurement, Magnetic fields, Force, Torque 06749
  Electric power distribution, Automation, Computer aided control, Data bases 00127
  Electric vehicles, Propulsion, Control systems, Microcomputers, Intel 8086 07101
  Electromagnetics, Design, Modules, Problem solving, Computer aided analysis 06806
  Electromagnetics, Finite element method, Waves, Electric fields 06797
  Electronic mail, Telecommunications, Equipment, Manufacturing 04628
  Electrostatics, Problem solving, Finite element method 06793
  Force, Torque, Eddy current, Magnetic fields, Finite difference method 06750
  Forestry, Mapping, Remote sensing, Image processing 02241
  Geology, Image processing, Photography, Pattern recognition 05361
  Hydraulic control equipment, Vision, Robots, Computer aided control 02028
  Image processing, Displays, Control systems, Acoustics, Interactive systems 03989
  Image processing, Programming, Systems analysis 05700
  Information processing, Records management, Channels, Dog tags 05283
  Integrated circuits, Fabrication, Computer aided design 06008
  Interfaces, Spectrometers, Minicomputers 05138
  Kinematics, Mechanical handling, Robots 00394
  Lasers, Printers 08722
  Lightning, Transmission lines, Simulation, Voltage 04924
  Local area networks, Plug compatibility, Processors 08713
  Local area networks, Protocols, Interfaces, Strathnet 05408
  Magnetic fields, Distributions, Nonlinear equations, Turbomachinery, Generators 06812
  Magnetic fields, Eddy current, Electric fields, Finite difference method 06825
  Magnetic storage, Memory, Architecture, Multiplexing, Thin films 04353
  Mapping, Geodesy, Remote sensing, Radiometers, Thermal variables measurement 03699
  Matrices, Microwaves, Performance 06459
  Microprocessors, Computer programs, Buses, Signal processing, Testing 01455
  Modeling, Magnetic variables measurement, Electromagnets 07524
  Modeling, Sensors, Inductance, Position control 07520
  Navigation, Radio communications, Signal processing, Navaids System 4000 09490
  Oceanography, Bottom loss, Acoustic variables measurement, Data bases 03708
  Online systems, Radiology, Clinical medicine, Tektronix 4054 05294
  Operating systems, Programming languages, Performance 00608
  Packet switching, Standards, Communication networks, Technology 03000
  Pattern recognition, Distance measurement, Lasers, Scene analysis 00860
  Personal computers, Communication networks, Facsimile systems 09451
  Probes, Data collection, Routines, Integrated systems, Control systems 05693
  Programmable calculators, Data processing, Nuclear physics 03566
  Programming, Controllers, Algorithms, Computation, Machine machine interactions 00398
  Programming, Signal processing, Realtime systems, Arrays, Processors 04752
  Publishing, Automation, Technology, Instrumentation 02284
  Research and development, Algorithms, Routing, Telephones, Switching 04644
  Robots, Control systems, Mechanical handling, Manipulators, Algorithms 02052
  Robots, Vision, Microprocessors, Inspection, Semiconductors 07653
  Satellite communications, Microcomputers, Teletext, Computer graphics, Alaska 06196
  Scanners, Mapping, Data structure, Spectral analysis, Satellite communications 00537
  Semiconductors, Circuitry, Interference, Thermodynamics, Simulation 05894
  Simulation, Controllers, Power systems, Dissertation 06695
  Simulation, Networks 05496
  Simulation, Radar, Tracking 07868

Software development, (continued)
Simulation, Research and development, Telephones, Mobile systems 04669
Simulation, Semiconductors 05893
Solar cells, Current voltage, Quality control, Modeling 05614
Solar collectors, Modeling, Performance, TRNSYS 08331
Solar energy, Power plants, Simulation, Organization and methods 07277
Spectral analysis, Fourier transforms, Power spectrum estimation 06323
Standards, Research and development, Management 07080
Systems design, Networks, Protocols, Nestar Plan 4000 04463
Technological forecasting, Telecommunications, Networks, Microelectronics 04492
Telecommunications, Terminals, Man machine interactions, Control systems 06208
Tractors, Performance, Transducers, Microcomputers, Dissertation 08731
Software packages,
Aerospace engineering, Spacecraft, Fiber optics, Signal transmission 07709
Aircraft engineering, Instrumentation, Technology 05264
Arrays, Equivalence, Input output, Integrated circuits, Logic 02818
Communication networks, Simulation, High level languages, Performance, FORTRAN 07821
Computer aided design, Circuitry, Filters, Simulation 00656
Computer aided design, Circuitry, Microwave devices 00046
Computer aided design, Communication networks, Packet switching, Simulation 08000
Computer aided design, Computer aided instruction, Education, Microwave devices 03244
Computer aided design, Electromagnetics, Differential equations 06679
Computer aided design, Logic circuits, Routing 06034
Computer graphics, Printed circuit boards, Routing, Computer aided design 07626
Data bases, Electric power transmission, Performance 04926
Displays, Plotting, Formatting, Man machine interactions 03743
Electronic equipment, Local area networks, Interfaces, Microcomputers 02313
Electronic mail, Minicomputers, Security 01440
Fault tolerance, Failure, Simulation, Dissertation 06057
Image processing, Robots, Vision 00418
Instrumentation, Sensors, Meteorology, Data collection, Microcomputers 05372
Integrated circuits, Parallel processing, Machine machine interactions 06888
Personal computers, Programming languages, Plug compatibility 02286
Petrochemical industry, Modeling, Data communications, OGRE® 07834
Satellite communications, Simulation, Channels, Coding, Modulation 07800
Satellite communications, Simulation, Structural analysis, Topology 07801
Satellite communications, Tracking, Performance, Prediction 07795
Simulation, Data communications, Signal transmission, Speech recognition 07944
Simulation, Signal transmission, Modulation, Radios, Fading 07683
Speech synthesis, Interactive systems, Music, Quality control, Problem solving 03079
Telecommunications, Electronic mail, Computer crime, Encryption, Security 09416
Turnkey systems, Microcomputers, Computer aided manufacturing, Economics 05402
Soil science,
Agriculture, Granular materials, Pest control, Microwaves, Thermodynamics 05047
Agriculture, Remote sensing, Computer graphics 07036
Crack propagation, Geology, Plasticity, Loading, Modeling 03694
Electric power transmission, Polymers, Cables, Systems design 02641
Erosion, Photography, Computer aided analysis 08646
Geophysics, Electric fields, Remote sensing, Image processing 03696
Meteorology, Remote sensing, Microwave devices, Image processing 04828
Microwaves, Simulation, Monte Carlo method, Noise, Radiometry 03442
Mineralogy, Remote sensing, Mapping, Thematic mapping 08647
Modeling, Acoustics, Fluid mechanics 02263
Receivers, Transmitters, Electrical resistivity, Remote sensing 03698
Remote sensing, Geology, Mapping, LANDSAT 07034
Research and development, Agriculture, Pollution control, Remote sensing 07021
Wave propagation, Geophysics, Oceanography, Acoustics 00562
Solar cells,
Absorption, Reflection, Surface properties 00800
Absorption, Solar energy, Position control, Surface properties 03356
Aluminum gallium arsenide, Energy conversion, Simulation 02510
Arrays, Batteries, Resistance, Power supply 00210
Cadmium mercury sulfide, Thin films, Electrodes, Performance 02502
Cadmium sulfide, Doping, Indium, Open circuit voltage, Short circuits 03335
Cadmium sulfide, Electroplating, Cuprous sulfide, Capacitance voltage 05657
Cadmium sulfide, Fabrication, Surface properties, CdS/Cu$_x$S 03940
Cadmium sulfide, Films, Sintering 05621
Cadmium telluride, Thin films, Film growth, Evaporation, Doping 06662
Carbon, Electrodes, Impurities, CdS/CdTe 05622
Charge carriers, Surface properties, Diffusion, Transport properties 07287
Classification, Thermal variables measurement, Absorption, Surface properties 02518
Computer aided analysis, Design, Energy conversion, Fuel efficiency 02507
Computer aided analysis, Photovoltaics, Solar energy, Temperature 05616
Concentrators, Solar energy, Contacts, Design, Al$_x$Ga$_{1-x}$As-GaAs 05649
Contact resistance, Measurement, Metallization, Semiconductors 07273
Contacts, Metallization, Degradation, Electrochemistry 05654
Copper indium sulfide, Copper indium selenide, Etching 02504
Copper sulfide, Thin films, Sputtering, X-ray diffraction 05652
Cuprous sulfide, Ion exchange, Cadmium sulfide 03937
Current density, Voltage, Mathematical models 07285
Current voltage, Annealing, Silicides, Metallization 00794
Current voltage, Charge carriers, Simulation, Tunnel junctions 00796
Current voltage, Open circuit voltage, Temperature, Heterojunctions, Modeling 05645
Defects, Electrons, Irradiation, Fabrication, A-Si:H 08881
Design, Semiconductors, Etching, III-V compounds 07263
Diffusion, Surface properties, Recombination, Velocity 02513
Doping, Schottky diodes, Photovoltaic effect, Semiconductors 03930
Electrical resistivity, Power supply, Dissipation 02498
Electrodes, Design, Fabrication, Thin films, CdS/CdTe 07282
Energy conversion, Design Optimization, Computer aided analysis 08871
Energy conversion, Photovoltaics, Economics, Technological forecasting 08337
Fabrication, Film growth, Polymers, Organic compounds 03938
Fabrication, Photovoltaics, Materials planning and control, Cadmium sulfide 00795
Fabrication, Semiconductors, Junctions, Films 00780
Fabrication, Silicon, Ion implantation, Current density 03943
Fabrication, Silicon, Schottky barriers, Pn junctions 05640
Solar cells, (continued)
Films, Furnaces, Heat treatment, Infrared 05
Filters, Heat transfer, Mirrors, Solar energy 03
Fluorescence, Wavelengths, Electrodes, Electrolytes, Performance 01
Frequency, Capacitance, Space charge, CdS-Cu$_2$S 08
Gallium arsenide, Metal insulator semiconductors, Current voltage 07
Gallium arsenide, Performance, Design, Optimization 05
Gallium arsenide, Short circuits, Protons, Irradiation 05
Gallium arsenide, Space technology, Nondestructive testing 07
Gallium indium arsenide, Chemical vapor deposition, Semiconductors, Junctions 02
Heterojunctions, Cadmium sulfide, Doping, Indium 02
Heterojunctions, Cadmium sulfide, Film growth, Evaporation, Dissertation 05
Heterojunctions, Energy conversion, Etching 03
Heterojunctions, Thin films, Optical analysis, Photovoltaics, CdS/CuInSe$_2$ 07
Injection, Performance, Photodevices 08
Interfaces, Oxidation, Thermodynamics, CdS-CuInSe$_2$ 00
Junctions, Capacitance, Calibration, Resistivity 02
Junctions, Drift, Space charge, Voltage 02
Lasers, Current, Semiconductors, Spectroscopy, Interfaces 02
Lasers, Scanners, Current, Charge carriers, Energy conversion 03
Manufacturing, Technology, Economics 07
Metal insulator semiconductors, Carrier mobility, Transistors 02
Metal insulator semiconductors, Current density, Voltage, Illumination 02
Metal insulator semiconductors, Fermi levels, Charge carriers, Interfaces 02
Metal insulator semiconductors, Interfaces, Fabrication, Dissertation 00
Metal insulator semiconductors, Schottky diodes, Diffusion, Charge carriers 00
Metal oxide semiconductors, Thermal variables measurement, Band gaps 05
Minority carriers, Lifetimes, Open circuit voltage 05
Modeling, Current, Short circuits 07
Modeling, Thin films, Semiconductors, Current voltage, Numerical analysis 07
Molds, Solidification, Silicon 05
Molybdenum selenide, Electrodes, Surface properties, Recombination 05
Nickel, Metallization, Reliability 05
Noise, Reliability, Nondestructive testing 01
Nondestructive testing, Scanners, Lasers 07
Np junctions, Ion implantation, Bandwidths, Sensors 00
Ohmic contacts, Electrodeposition, Resistivity, Transmission lines 00
Ohmic contacts, Electrodeposition, Semiconductors 00
Ohmic contacts, Fermi levels, Thermionic emissions, Field emissions 05
Open circuit voltage, Illumination 08
Optical analysis, Amorphous materials, Silicon, Schottky barriers 07
Optical analysis, Heterojunctions, Absorption, Dissertation 00
Optics, Illumination, Degradation, Stability 00
Optimization, Silicon, Open circuit voltage, Short circuits, Coatings 03
Performance, Irradiation, Space technology, AlGaAs-GaAs 05
Performance, Semiconductors, Electrolytes, Interfaces, Dissertation 07
Photocapacitance, Thin films, Schottky barriers, CdS/CdTe 05
Photoconductivity, Semiconductors, Interfaces, Energy bands 02
Photoresponse, Structural analysis, Charge carriers 00
Photovoltaic effect, Gallium arsenide, Single crystals, Protons, Irradiation 03
Photovoltaics, Concentrators, Thermal variables measurement 05
Photovoltaics, Design, Fabrication, Cost benefit analysis 05
Photovoltaics, Energy conversion, Energy resources, Technological forecasting 05
Photovoltaics, Energy conversion, Thin films, Cost benefit analysis 02
Photovoltaics, Irradiation, Shading 05
Photovoltaics, Modular design, Electric fields 08
Photovoltaics, Sheet resistance, Computer aided analysis, Mathematical models 08
Photovoltaics, Structural analysis, CuInSe/CdS 00
Photovoltaics, Voltage, Silicon, Doping, Performance 08
Plating, Ions, Coatings 00
Plating, Photoresists, Materials planning and control 00
Pn junctions, Gallium arsenide, Diffusion, Fabrication 03
Pn junctions, Photovoltaics, Diffusion, Recombination, Gallium arsenide 03
Polymers, Modular design, Packaged components, Materials planning and control 00
Polysilicon, Crystal structure, Technological forecasting, Costs 05
Polysilicon, Current voltage, Open circuit voltage, Photoconductivity 05
Polysilicon, Fabrication, Optimization, Photochemistry 07
Powder metallurgy, Cadmium selenide, Spectral analysis, Current voltage 00
Power supply, Converters, Control systems, Circuitry, Performance 08
Power systems, Electrical resistivity, Networks, Loading 03
Power systems, Inverters, Switching, Harmonics 01
Recombination, Junctions, Schottky barriers, Thin films 08
Scanning electron microscopy, Pn junctions, Short circuits, Electron beams 02
Schottky barriers, Current density, Charge carriers, Photoconductivity 03
Schottky barriers, Illumination, Photovoltaics 05
Schottky diodes, Barrier heights, Voltage, Short circuits, Al-P-N 00
Schottky diodes, Spectral analysis, Capacitance 02
Semiconductors, Etching, Fabrication 08
Semiconductors, Materials planning and control, Modular design 00
Semiconductors, Solar energy, Energy conversion, Photovoltaics 03
Short circuits, Current density, Service life, Junctions, Charge carriers 02
Short circuits, Nondestructive testing, Current voltage, Wavelengths, Diffusion 02
Signals, Acoustooptics, Temperature, Interferometry 00
Silicon, Amorphous materials, Bibliography, Photovoltaics 06
Silicon, Amorphous materials, Electric fields, Boron, Open circuit voltage 05
Silicon, Charge carriers, Lifetimes, Short circuits, Open circuit voltage 05
Silicon, Contacts, Metallization, Current voltage, Rutherford backscattering 05
Silicon, Design, Fabrication, Passivation 07
Silicon, Dislocations, Injection, Illumination, Short circuits 05
Silicon, Electrons, Irradiation, Performance, Degradation 07
Silicon, Energy conversion, Photovoltaics 07
Silicon, Energy conversion, Photovoltaics, Fabrication 02
Silicon, Fabrication, Etching 05
Silicon, Fabrication, Ion implantation, Annealing 05
Silicon, Fabrication, Pnn junctions, Ion implantation, Masks 05
Silicon, Fiber optics, Tin oxide, Waveguides 05

ells, (continued)
n, Films, Metallization, Printing, Process development 07271
n, Films, Pin junctions, Recombination 05632
n, Heat treatment, Current density, Stability, Pd/Nb_2O_5/a-Si:H 00784
n hydride, Thin films, Short circuits, Absorption, Optical analysis 05001
n, Ion implantation, Annealing, Xenon 00778
n, Ion implantation, Flash lamps, Annealing 08879
n, Ion implantation, Phosphorus, Annealing, Current voltage 05629
n, Junctions, Injection, Current voltage 05643
n, Junctions, Ion implantation, Electrons, Annealing 05624
n, Junctions, Open circuit voltage, Phosphorus, Precipitation 05626
on, Manufacturing, Evaporation, Vacuum technology 07284
on, Metallization, Surface properties, P-Si/Ni 08883
on, Open circuit voltage, Recombination, Doping, Performance 05615
on, Photoelectric effect, Voltage, Short circuits 00787
on, Photovoltaics, Energy conversion, Performance 05617
on, Photovoltaics, Energy conversion, Research and development 01815
on, Photovoltaics, Fabrication, Lifetimes 03947
on, Pin junctions, Schottky barriers, Degradation 00788
on, Pin junctions, Stability, a-Si:H 05650
on, Pn junctions, Fabrication, Dissertation 00791
on, Pn junctions, Open circuit voltage, Charge carriers, Lifetimes 05004
on, Point contacts, Design, Energy conversion, Temperature 05612
on, Point defects, Carbon, Oxygen 08338
on, Recombination, Performance, Absorption 05611
on, Short circuits, Recombination 07270
on, Sputtering, Fabrication, Current voltage, Photoconductivity 05631
on, Stress, Diffusion, Open circuit voltage 08339
on, Surface properties, Etching, Ion implantation 08875
on, Thin films, Epitaxial growth 03927
ulation, Monte Carlo method, Performance, Numerical analysis 05606
ar collectors, Position control. Phototransistors, Photovoltaics 06673
ar energy, Energy conversion, Photovoltaics 03369
bility, CdS/CdTe 05623
ss, Failure, Degradation 05620
rmal variables measurement, Technological forecasting, Crystal growth 02519
rmoelectric devices, Spectral analysis, Solar energy 01824
films, Annealing, Diffusion, CdS/Cu_2S 00792
films, Contacts, Fabrication, Cu_2S-CdS 03936
films, Current voltage, Copper indium selenide, Dissertation 05628
films, Heterojunctions, Photovoltaics, $CuInSe_2$/CdZnS 05635
films, Photoconductivity, Cu_2S/CdS 02500
nel junctions, Voltage, Power, Numerical analysis 00801
tage, Pn junctions, Charge carriers, Current density 03929
tage, Surface properties, Visible range, Emitters, Wavelengths 00805
collectors,
ldings, Optimization, Solar energy 03359
libration, Heating systems 03364
libration, Instrumentation, Thermal variables measurement 01832
emical vapor deposition, Silicon, Coatings, Energy conversion, Efficiency 03948
nvection, Wind tunnels, Heat transfer, Interferometry, Dissertation 01813
rrosion, Construction materials, Materials testing, Atmospheric conditions 08330
rrosion prevention, Materials testing, Surface properties 03363
st benefit analysis, Radiation, Performance 01822
sign, Optimization, Dynamic programming 03358
ergy conversion, Storage, Current voltage, Electric power generation 03371
ergy conversion, Thermal variables control 04993
ergy storage components, Energy conversion, Performance 01818
ergy storage components, Heat transfer, Radiative transfer 00205
ergy storage components, Thermal conductivity, Product development 00217
ergy storage components, Vacuum technology, State of the art 01816
idics, Thermal conductivity, Optimization 01823
at exchangers, Fuel efficiency 01827
at pumps, Heating systems, Energy conservation 01814
at transfer, Modeling 03365
at transfer, Oil, Thermal variables measurement 00226
at transfer, Phase transitions, Energy storage components, Fluid mechanics 03349
ating systems, Fluidized beds, Combustion, Flow of gases, Phase transitions 01830
ating systems, Performance, Energy storage components, Standards 00200
rors, Heliostats, Receivers 01834
rors, Production planning, Electric power generation 01825
timization, Energy storage components, Fluid mechanics, Heat transfer 01828
rformance, Heat transfer, Refrigerants, Dissertation 00211
rformance, Optimization, Power systems, Cost benefit analysis 08336
otovoltaics, Chromium nitride, Electrodeposition, Crystal growth 02516
sition control, Optimal control, Computer aided analysis 05000
sition control, Phototransistors, Solar cells, Photovoltaics 06673
flectors, Focusing, Spectral analysis 02522
nulation, Flux, Radiative transfer 03350
nulation, Heat transfer, Radiative transfer 03351
ftware development, Modeling, Performance, TRNSYS 08331
lar energy, Optical properties, Films, Spectral analysis 06665
ace heating, Energy storage components, Heat pumps, Ventilation 00201
ess, Structural analysis, Modeling 04995
uctural analysis, Performance, Energy storage components 01817
rface properties, Fluidics, Thermal variables measurement 03360
rface properties, Glazing, Tensile strength, Polyacrylonitrile polymers 04994
ermal variables control, Coatings 03362
ermal variables measurement, Instrumentation, Calibration 03357
nsient characteristics, Thermal variables control 01836
energy,
sorption, Electrodeposition, Black chrome, Optical properties 03370
sorption, Solar cells, Position control, Surface properties 03356
craft, Product development 00460
ays, Storage, Reliability, Probability, Design 00222
nospheric conditions, Voltage, Electric power generation, Power systems 01812

Solar energy, (continued)
Carbon dioxide, Photochemicals, Chemical variables control, Energy recovery 04999
Computer aided analysis, Energy storage components, Batteries, Diesel engines 00202
Computer aided analysis, Solar cells, Photovoltaics, Temperature 05616
Concentrators, Research and development, Photovoltaics 08340
Concentrators, Solar cells, Contacts, Design, $Al_xGa_{1-x}As$-GaAs 05649
Concentrators, Solar cells, Thermal variables measurement, Open circuit voltage 05655
Condensation, Solar stills 06669
Electric power distribution, Management, Solar power generation, Design, Spain 03372
Electric power generation, Construction, Control systems, Data collection 01826
Electric power generation, Energy conversion, Dissertation 01835
Electric power generation, Energy conversion, Receivers, Testing 08329
Energy conversion, Electric power generation, Semiconductors, Electrodes 05002
Energy conversion, Photovoltaics, Solar cells, Semiconductors 03939
Energy conversion, Research and development, Photovoltaics, Silicon 01815
Energy conversion, Solar cells, Photovoltaics 03369
Energy storage components, Thermodynamics, Radiation, Cooling systems 06668
Films, Substrates, Thermal variables measurement, Materials testing 00212
Fluidized bed processing, Economics, Desalination plants 00198
Fuel cells, Calibration 01820
Fuel cells, Silicon dioxide, Materials planning and control, Diffusion 00203
Geomagnetism, Electromagnetic waves, Current 03703
Heating systems, Electric power generation, Economics, Computer aided analysis 01821
Heating systems, Finance, Economics, Capital investment 00199
Heating systems, Numerical analysis, Construction, Flow rates 00207
Heating systems, Temperature, Numerical analysis 00206
Lasers, Pumping, Emissions, Absorption 08981
Lasers, Pumping, Gases, Photodissociation 08987
Lasers, Pumps, Energy conversion, Telecommunications, Numerical analysis 04996
Lasers, Spacecraft, Lenses, Optics, Velocity 05776
Livestock equipment, Pumps, Water, Design, Economics 06667
Microwaves, Frequency, Electron beams, Plasmas, Dissertation 00036
Mirrors, Chemical variables measurement, Surface properties, Spectroscopy 00208
Mirrors, Heat transfer, Filters, Solar cells 03933
Mirrors, Materials testing, Monitoring 03367
Modeling, Solar collectors, Radiative transfer, Flux 03350
Modeling, Wind, Mixing, Convection, Algorithms 01819
Neodymium, Lasers, Pumping, Space technology 08984
Performance, Current, Power supply, Inverters 01837
Photodevices, Standards, Plant and factory layout, Materials testing, Gain 01831
Photography, Remote sensing, Computer programs, Mapping 02259
Photovoltaics, Coatings, Optical properties, Research and development 06663
Photovoltaics, Economics, Technological forecasting 08332
Photovoltaics, Electric power generation, Dispersion 00802
Photovoltaics, Energy conversion 06672
Photovoltaics, Energy conversion, Research and development 08873
Photovoltaics, Public health, Risk assessment, Electric power generation 00221
Photovoltaics, Systems analysis, Performance 00197
Polypropylene, Far infrared, Composite materials, Filters 03785
Power plants, Reflectors, Rotation, Velocity 00219
Power plants, Software development, Simulation, Organization and methods 07277
Propulsion, Aircraft engineering, Circuitry, Simulation, Capacitors 04997
Propulsion, Satellites 06975
Pumping, Lasers, Kinetics, Iodine 08982
Pumps, Fuel efficiency, Fluid mechanics 01829
Radiation, Meteorology, Calibration, Pyranometers 00580
Radiation, Meteorology, Diffusion 00579
Radiation, Meteorology, Image processing, Satellites, Remote sensing 00573
Radiation, Pressure, Reflection, Satellites, Orbital motion 08708
Radiometry, Calibration, Dissertation 06732
Refrigerants, Performance, Heat transfer, Dissertation 00211
Satellites, Remote sensing, Oscillation 00584
Simulation, Receivers, Heat exchangers 00220
Solar cells, Aluminum gallium arsenide, Energy conversion, Simulation 02510
Solar collectors, Buildings, Optimization 03359
Solar collectors, Design, Optimization, Dynamic programming 03358
Solar collectors, Heat transfer, Modeling 03365
Solar collectors, Optical properties, Films, Spectral analysis 06665
Solar collectors, Thermal variables control, Coatings 03362
Solar collectors, Thermal variables control, Transient characteristics 01836
Solar collectors, Thermal variables measurement, Instrumentation, Calibration 03357
Solar heating, Design, Optimization, Economics 03361
Space technology, Propulsion, Orbital transfer vehicles 02112
Spacecraft, Propulsion, Engines, Generators, Research and development 08608
Spacecraft, Structural analysis, Dynamics, Perturbation, Modeling 05265
Spacecraft, Thermal insulation, Current, Plasmas, Dissertation 02495
Spectral analysis, Solar cells, Thermoelectric devices 01824
Storage, Heat transfer 03352
Substrates, Stability, Thermal variables measurement, Structural analysis 00209
Technological forecasting, Silicon, Production, Economics 03355
Thermal variables control, Optimal control 04998
Thermal variables measurement, Energy storage components 00204
Thermal variables measurement, Instrumentation, Calibration, Pyranometers 03366
Thermodynamics, Energy conversion, Atmospheric conditions 03353
Wind energy, Performance, Simulation 06664
Solar heating,
Energy conversion, Mathematical models 06666
Solar power generation,
Capital investment, Utilities, Photovoltaics 03368
Construction, Power plants, Economics 01833
Solar energy, Electric power distribution, Management, Design, Spain 03372
Spacecraft, Thermal variables control, Aerospace industry 08606
Soldering,
Coatings, Printed circuit boards, Integrated circuits, Packaged components 02786
Connectors, Packaged components, Storage, Integrated circuits, Failure 02870
Integrated circuits, Printed circuit boards, Connectors, Failure 02792

Soldering, (continued)
- Integrated circuits, Printed circuit boards, Interfaces, Capacitors 02480
- Joints, Printed circuit boards, Ceramics, Fabrication 02865
- Packaged components, Integrated circuits, Reliability 02787
- Packaged components, Printed circuit boards, Integrated circuits, Reliability 02807
- Printed circuit boards, Packaged components, Integrated circuits, Fatigue 02789

Solenoids,
- Acoustic emissions, Magnets, Superconductivity, Sensitivity 04194
- Composite materials, Wire processing, Current density, Superconductivity 04196
- Conductors, Superconductivity, Current, Dissipation, Stability 04272
- Connectors, Superconductivity, Iron, Shielding, Transmission lines 04187
- Defects, Detection, Impedance, Electric fields 08447
- Design, Cryogenics, Superconductivity 04229
- Design, Mirrors, Magnetic fields, Magnetohydrodynamics 06643
- Detectors, Linear accelerators, Superconductivity 04129
- Electric power generation, Superconductivity, Magnetics 04284
- Fabrication, Thermal variables measurement, Flux, Current density 04197
- Gyroscopes, Detectors, Gravitation, General relativity, Lenz law 06841
- Gyrotrons, Magnetic fields, Millimeter waves 00044
- Integrated circuits, Superconductors, Thin films, Capacitance 04109
- Iron, Magnets, Thermal insulation, Superconductivity 04182
- Lasers, Electron guns, Collectors, Pulse generation 00934
- Linear accelerators, Magnets, Superconductivity 04131
- Linear accelerators, Transmission lines, Cryogenics, Control systems 04212
- Magnetic fields, Linear accelerators, Cost benefit analysis, Current density 04179
- Magnetic fields, Superconductivity, Cryogenics, Pulse generation 04223
- Magnetic fields, Tokamaks, Nuclear reactors, Energy resources 06660
- Magnetohydrodynamics, Optimization, Design, Numerical analysis 06642
- Magnetohydrodynamics, Superconductivity, Magnets 04144
- Magnets, Acoustic testing, Superconductivity, Signal processing 04192
- Magnets, Conductors, Superconductivity, Current density 04158
- Magnets, Superconductivity, Charge carriers, Current 04273
- Magnets, Superconductivity, Motors, Cryogenics 04263
- Magnets, Superconductivity, Precision engineering, Charge carriers 04174
- Magnets, Superconductors, Stress strain relations, Temperature, Nb_3Sn 04205
- Mirrors, Plasmas, Magnetohydrodynamics 06644
- Niobium compounds, Fabrication, Superconductors 04164
- Niobium compounds, Magnets, Current density, Cryogenics 04201
- Niobium, Tin, Magnetic fields, Superconductors 04232
- Niobium, Tin, Superconductors, Cryogenics, Stability 04228
- Niobium, Titanium, Current density, Scattering 04199
- Safety, Superconductors, Quenching, Cryogenics 04054
- Scanning, Magnetization, Voltage 08459
- Shielding, Energy storage components, Superconductivity, Pulse generation 04286
- Short circuits, Magnets, Superconductivity, Magnetic fields 04190
- Superconductivity, Cryogenics, Magnets, Product development 04123
- Superconductivity, Current density, Magnets 04226
- Superconductivity, Current, Voltage, Controllers 05801
- Superconductivity, Current voltage, Rotating bodies, Minicomputers 04280
- Superconductivity, Energy storage components, Space technology, Current density 04281
- Superconductivity, Fault detection, Circuit breakers, Circuitry, Current 04206
- Superconductivity, Japan, Cryogenics, Magnets 04264
- Superconductivity, Magnetic fields, Voltage, Nb_3Sn 04209
- Superconductivity, Magnets, Cryogenics, Transmission lines 04204
- Superconductivity, Magnets, Fabrication 04143
- Superconductivity, Magnets, Fabrication, Magnetic fields 04241
- Superconductivity, Magnets, Linear accelerators, Transmission lines 04128
- Superconductivity, Magnets, Niobium titanide, Cryogenics 04152
- Superconductivity, Pulse generation, Transmission lines 04258
- Superconductivity, Tensile strength, Coil winding machines, Magnets 04147
- Superconductivity, Tokamaks, Cryogenics, Helium, Systems design 04269
- Superconductivity, Transmission lines, Performance, Conductors 04257
- Superconductivity, Transmission lines, Soldering 04259
- Superconductors, Composite materials, Rectifiers 04293
- Superconductors, Linear accelerators, Structural analysis, Stress, Loading 04256
- Superconductors, Magnets, Fusion, Mirror machines 06637
- Superconductors, Magnets, Fusion, Plasmas 07453
- Superconductors, Niobium compounds, Aluminum, Stability, Nb_3Sn 04200
- Superconductors, Quenching, Thermal variables measurement 04202
- Superconductors, Short circuits 04141
- Superconductors, Stability, Electrical resistance, Mathematical models 04210
- Superconductors, Testing, Magnetic fields, Cryogenics 04198
- Transformers, Signal converters, Rectifiers, Superconductivity 04288
- Velocity, Current, Superconductors 04103

Solitons,
- Optics, Communications, Fiber optics, Schrodinger equations 06146

Sonar,
- Acoustic waves, Signal transmission, Oceanography, Dissertation 04730
- Arrays, Side lobe patterns, Angular measurement 03110
- Bathymetry, Scanning, Signal processing, Optics, Displays 06307
- Buoys, Position control, Submarines, Underwater technology, Detectors 04729
- Color, Televisions, Underwater technology 07880
- Doppler effect, Fish detection, Migrations 09517
- Image processing, Marine technology 09518
- Image processing, Pattern recognition, Matching, Spectral analysis 06306
- Mapping, Oceanography, Remote sensing, Image processing 06304
- Mapping, Shallow water, Hydrographic surveys 09520
- Microcomputers, Signal processing, Logic circuits, Echoes, Oceanography 03108
- Military equipment, Unmanned vehicles, Search and rescue 07881
- Receivers, Detection, Reverberation 03111
- Receivers, Signal processing, Underwater technology, Coherence 03109
- Remote sensing, Design, Performance 09519
- Remote sensing, Detection, Modeling, Acoustics 06308
- Signal processing, Filtering, Simulation 09590
- Structural analysis, Antennae, Safety systems, Gauges, Ships 04728
- Underwater technology, Communications, Signal processing 07883

Sonar, (continued)
- Underwater technology, Image processing, Navigation, Modeling 0787
- Underwater technology, Oceanography, Scanning, Photography 0537
- Underwater technology, Unmanned vehicles, Telemetry, Design 0704
- Wave propagation, Electromagnetic waves, Oceanography, Acoustics 0227

Sound propagation,
- Televisions, Image processing, Channels, Synchronization, Coding 0138

Sound synthesis,
- Acoustics, Systems analysis, Modes 0149
- Integrated circuits, Programming, Microcomputers, Interfaces 0280

Space charge,
- Charge carriers, Semiconductors, Transistors, Schottky diodes 0116
- Charge coupled devices, Dark conduction, Leakage current, Crystal defects 0449
- Contacts, Boundary layers, Thickness measurement, Dielectric permittivity 0268
- Diodes, Silicon, Illumination, Degradation, Annealing 0590
- Electrodes, Electron beams, Electric fields, Modeling 0844
- Electrooptics, Lubricants, Transformers, Electric fields 0108
- Electrostatics, Plasmas, Magnetic fields 0664
- Frequency, Capacitance, Solar cells, $CdS\text{-}Cu_2S$ 0887
- Gallium phosphide, Light emitting diodes, Degradation, Dislocations 0567
- Gyrotrons, Lasers, Resonance, Plasmas 0848
- Gyrotrons, Microwaves, Millimeter waves, Current 0807
- Injection, Voltage, Polarity, Light, Emissions 0821
- Ions, Dosimetry, Transmission lines, Counters 0075
- Metal insulator semiconductors, Temperature, Thickness measurement 0112
- Metal oxide semiconductors, Capacitors, Charge carriers, Tunneling 0248
- Photoconductivity, Charge carriers, Contacts 0248
- Pn junctions, Current voltage, Metal oxide semiconductors, Recombination 0923
- Pn junctions, Heterojunctions, Current voltage, Carrier concentration 0757
- Polysilicon, Electrical conductivity, Thermionic emissions, Field emissions 0745
- Schottky diodes, Barrier heights, Contacts, Gallium arsenide, Oscillators 0917
- Semiconductors, Doping, Pn junctions, Recombination, Computer aided analysis 0591
- Silicon, Diodes, Transducers, Thermal variables measurement 0837
- Solar cells, Junctions, Drift, Voltage 0251
- Voltage, Diffusion, Field effect transistors, Metal oxide semiconductors 0121
- Voltage, Electrons, Injection, Electroluminescence, Polyethylene terephthalate 0568

Space engineering,
- Antennae, Attitude control, Mathematical models 0005

Space exploration equipment,
- Electron density, Measurement, Venera 13,14 0860
- Infrared, Telescopes, Photometry, Satellites. IRAS 0707
- Polarization, Mapping, Image processing, Moon 0870
- Radio astronomy, Spectral analysis, Supernovae 0706
- Radio waves, Telescopes, Thermal variables measurement, Mars 0870

Space heating,
- Thermodynamics, Storage, Electric power generation, Research and development 0667

Space stations,
- Aerodynamics, Signal processing, Solar energy, Telemetry 0048
- Electrooptics, Position control, Sensors, Circuitry 0861
- Energy storage components, Batteries, Fuel cells 0831
- Power systems, Military engineering, Research and development 0209
- Research and development, Government programs, Italy 0859
- Satellites, Amplitude, Frequency 0365
- Technology, Ground support systems, Economics, Research and development 0695

Space technology,
- Accelerators, Propulsion, Plasmas, Current voltage 0861
- Actuators, Controllers, Design 0696
- Aerospace engineering, Technological forecasting, Government policies 0363
- Algorithms, Filters, Recursion, Tracking, Measurement 0235
- Antennae, Communications, Performance 0811
- Cartography, Mapping, Planning, Data collection 0222
- Communications, Military, History, Technological forecasting 0940
- Communications, Millimeter waves, State of the art, Book 0642
- Electromagnetic fields, Containers, Process development 0246
- Electron density, Measurement, Space exploration equipment, Venera 13,14 0860
- Electrooptics, Position control, Sensors, Circuitry 0861
- Gallium arsenide, Solar cells, Nondestructive testing 0727
- Guidance and control systems, Spacecraft, Attitude control 0209
- Gyroscopes, Motion, Spin, Acceleration, Position control 0686
- Infrared, Lasers, Communications, Scintillation, Statistical analysis 0905
- Ionosphere, Plasmas, Current voltage, Stainless steel, Scaling laws 0828
- Mechanical handling, Robots, Artificial intelligence, Automation 0204
- Military engineering, Communication networks, Satellite communications 0617
- Military engineering, Lasers, Communications 0770
- Military engineering, Planning, Weapons, USSR, United States 0861
- Military equipment, Satellite communications, Onboard processing 0525
- Missiles, Guidance and control systems, Reliability, Statistical analysis 0528
- Missiles, Sensors, Height measurement, Pressure measurement 0859
- Modular design, Propulsion, Spacecraft, Launching facilities 0048
- Navigation, Refraction, Electromagnetics, Wave propagation, Kalman filters 09492
- Neodymium, Lasers, Pumping, Solar energy 08984
- Optics, Remote sensing, State of the art 04339
- Photography, Photometry, Image processing, Automation 08705
- Polarization, Mapping, Image processing, Moon 08701
- Propulsion, Lasers, Plasmas, Electromagnetics, Absorption 08022
- Propulsion, Power systems 08614
- Propulsion, State of the art 05277
- Radar, Detectors, Military 07873
- Radio frequency, Interferometry, Receivers, Noise 07691
- Radio waves, Telescopes, Thermal variables measurement, Mars 08702
- Radios, Broadcasting, Satellite communications, Japan 02083
- Receivers, Position control, Space shuttle 07858
- Research and development, Project engineering, Artificial intelligence 03638
- Research and development, Space stations, Government programs, Italy 08594
- Rockets, Communications, Position control, Simulation 03648
- Satellite communications, Control systems, Software development, NATO III 06182

technology, (continued)
lite communications, Economics, Insurance, Space shuttle insurance losses 08604
lite communications, Fiber optics 07750
lite communications, Research and development, NASA 09417
lites, Guidance and control systems 08618
lites, Position control 02095
lites, Retrieval, Torque control, Simulation 03644
lites, United Kingdom, Telecommunications, Project engineering 02093
lites, Vibration, Acoustics, Antennae, Simulation 08605
conductors, Radiation, Detectors, Cooling systems, Charged particles 06897
cells, Performance, Irradiation, AlGaAs-GaAs 05644
energy, Propulsion, Orbital transfer vehicles 02112
noids, Superconductivity, Energy storage components, Current density 04281
e exploration equipment, Radiometers, Telescopes, Spectral analysis 05040
e stations, Batteries, Fuel cells, Energy storage components 08318
ecraft, Aerospace test facilities, Guidance and control systems, Missiles 02085
nological forecasting, Organization and methods, Satellites 02988
nological forecasting, Systems design, Satellites, Columbia 02892
communications, Satellite communications, Technological forecasting 04592
metry, Satellite communications, Reliability, Uplink coverage 06180
metry, Satellite communications, Technological forecasting 06179
sportation, Technological forecasting, Planning, Economics 08613
pons, Lasers, Satellites, Missiles 00489
processing, Thermal insulation, Coatings, Mechanical strength 05548
craft,
lerators, Charge, Potentials, Voltage 00470
ators, Attitude control, Optimization 06956
dynamics, Guidance and control systems, Performance, Simulation 05270
dynamics, Telecommunications, Satellites, Control systems 00476
space engineering, Communications, Product development 00480
space engineering, Robots, Capital investment 08564
space engineering, Software packages, Fiber optics, Signal transmission 07709
space test facilities, Guidance and control systems, Space technology 02085
space test facilities, Guidance and control systems, Performance 02089
ude control, Optimization, Dissertation 00479
matic control, Guidance and control systems, Stability 02086
pilots, Noise, Data transmission, Guidance and control systems 02087
ge, Pulse generation, Transient pulse monitor, Surface potential 02108
munications, Antennae 09313
puter aided control, Image processing, Satellite communications 06969
rol systems, Reliability 08595
rollers, Position control, Solar arrays 02102
ping, Vibration, Acoustic variables measurement, Modeling 08593
ectrics, Magnetic fields, Atmospheric conditions, Electrostatics 02110
lays, Reliability, Control systems 03953
tric variables control, Thermal insulation, Cables, Pressure 06564
tronic equipment, Optics, Failure, Thrusters, Research and development 08596
ssions, Modeling, Sheath ionization 06974
rgy storage components, Electric power transmission, Propulsion, Batteries 03632
Fourier transforms, Algorithms, Plotting, Instrumentation, Geometry 05281
nt control, Electric fields, Magnetic fields, Occupational health 02084
nt control systems, Modeling, Simulation, Wind, Measurement 05262
nt control systems, Transducers 09153
und support systems, Research and development, Economics, Mariner Mark II 03640
dance and control systems, Dynamics 08611
dance and control systems, Image processing, Instrumentation, Performance 02210
dance and control systems, Position control, Alignment, Velocity 02088
dance and control systems, Position control, Attitude control 02096
dance and control systems, Sensors, Performance, Testing, Design 05271
dance and control systems, Simulation, Sensors, Filters, Synchronization 06281
dance and control systems, Software, Space Shuttle 00473
dance and control systems, Trajectories, Propulsion, Acceleration 00482
rmation processing, Telemetry, Time measurement, Atmosphere 08699
rumentation, Simulation, Electronic equipment, Sensors 08598
ers, Propulsion, Thrust 03647
nching facilities, Modular design, Space technology, Geosynchronous orbit 00483
pping, Image processing, Televisions, Topography 02200
hematical models, Stability, Magnetic variables control, Bearings, Rotors 06949
ary engineering, Weapons, Flight control systems, Missiles, Radar 03636
deling, Calibration, Launching facilities 03643
deling, Data processing, Organization and methods, Space Shuttle 05278
ors, Nozzles, Design, Vibration, Materials testing 04878
s and bolts, Inspection, Robots 08600
ical analysis, Contamination, Monitoring measurements, Safety systems 02070
kaging, Composite materials, Weight measurement, Research and development 06071
tern recognition, Classification, Data collection, Tracking, Simulation 05364
ition control, Guidance and control systems, Gyroscopes, Measurement errors 02091
pellants, Aluminum oxide, Modeling, Flow, Rockets 03642
pulsion, Acceleration, Optimization, Computer aided analysis 05272
pulsion, Chemical variables control, Performance, Energy conservation 05267
pulsion, Computer aided control 06970
pulsion, Engines, Generators, Solar energy, Research and development 08608
pulsion, Measurement, Simulation, Flow, Modeling 08280
pulsion, Parameter estimation 06965
lios, Navigation, Position control, Tracking 08603
note sensing, Broadcasting, Satellite communications, Economics 06966
note sensing, Radar, Venus, Topography 02261
cket engines, Propellants, Oscillation, Pressure measurement 08597
ellite communications, Allocation, Orbits, Scheduling 02984
ellite communications, Broadcasting, Attitude control, Japan 02975
ellite communications, Radios, Frequency, Propellants, Testing 08607
ellites, Charge, Voltage, Surface potential 02107
ellites, Guidance and control systems, Aerodynamics, Torque measurement 00477
ellites, Telemetry, Telecommunications 00484
ar energy, Lasers, Lenses, Optics, Velocity 05776
ar energy, Structural analysis, Dynamics, Perturbation, Modeling 05265

Spacecraft, (continued)
Solar energy, Thermal insulation, Current, Plasmas, Dissertation 02495
Stability, Attitude control, Actuators, Torque 05279
Surface properties, Dielectrics, Discharges, Thermal insulation 01103
Systems analysis, Control systems, Attitude control, Satellite communications 02893
Technology, Energy storage components 06973
Thermal variables control, Containers, Nitrogen, Aerospace industry 08606
Thermal variables control, Cryogenics, Heat pipes, Finite element method 05257
Thermal variables control, Switches, Automatic control 02098
Tracking, Satellites, Technology, Failure 05274
Spark gaps,
Atmospheric conditions, Voltage, Protection, Flashover, Moisture measurement 00117
Discharges, Automation, Computer aided control, Dissertation 09075
Discharges, Helium, Ionization, Electrodes 07460
Electrostatics, Pneumatic systems, Electrodes, Discharges, Protective circuits 03883
Insulators, Magnetohydrodynamics, Electrodes, Breakdown 00161
Pressure, Potentials, Ionization, Discharges 05568
Semiconductors, Ignition, Propulsion, Plasmas, Impedance, Pulse generation 02111
Surface properties, Insulators, Breakdown, Discharges 01096
Switching, Insulators, Discharges, Voltage, Moisture measurement 01748
Voltage, Breakdown, Electrodes 00095
Voltage, Breakdown, Electrodes, Transformers 01087
Voltage, Frequency, Current, Service life 06773
Specific heat,
Aluminum, Alloys, Superconductivity, Antennae 03556
Entropy, Sodium, Sulfur, Batteries, Design 03334
Glass, Ultrasonics, Electromagnetic waves, Wave propagation 03222
Liquid crystals, Phase transitions, Superconductors, Far infrared 05146
Liquid crystals, Vanadium silicide, Superconductors, Far infrared 05048
Specifications,
Compressors, Generators, Induction motors, Electric variables control 03289
Economics, Electric power distribution, Power plants, Design, Quality control 05549
Fiber optics, Communications, Technology 07716
Filters, Design, Iterative method, Quadrature mirror filters 09588
Filters, Design, Structural analysis, Equivalence 02369
Filters, Simulation, Computer aided design 07134
Image processing, Interpolation, Filtering, Frequency, Approximations 07125
Instrumentation, Fiber optics, Data collection 04555
Logic circuits, Metal oxide semiconductors, Structural analysis 09262
Metrology, Radiators, Standards 08864
Military aircraft, Landing gear, Testing 02094
Modeling, Delay, Simulation, Controllers, Algebraic equations 05222
Nondestructive testing, Springs, Nuts and bolts 01626
Precision engineering, Instrumentation, Calibration, Nondestructive testing 03521
Protocols, Communication networks, Architecture 09440
Protocols, Verification, Decomposition 06105
Research and development, Microelectronics, Architecture, Signal processing 07621
Robots, Arc welding, Assembling, Japan 05172
Sensors, Pulse generation, Charge, Satellites 02109
Sonar, Transducers, Underwater technology, Cables 04727
Standards, Acoustic emissions, Information science 00348
Systems design, Networks, Nestar Plan 4000 04463
Systems design, Radar, Air traffic control 03657
Testing, Protocols, Architecture, Synchronization 07676
Speckle,
Biomedical engineering, Reflection, Image processing, Ultrasonics, Dissertation 00356
Image processing, Optics, Integrated circuits, Interconnections 00896
Optical analysis, Contrast, Fiber optics, Communications 09379
Optical analysis, Image processing, Displacement 00887
Spectral analysis,
Absorption, Combustion, Thermal variables control, Dissertation 00305
Absorption, Electromagnetics, Wave propagation, Oscillation 03212
Absorption, Thermal variables measurement, Infrared, Doppler shift, Agriculture 03481
Acoustooptics, Signal detection, Delay 00849
Admittance, Surface properties, Modeling 06780
Aerosols, Lidar, Carbon dioxide, Gas lasers 09516
Algorithms, Fast Fourier transforms, Factorization, Subroutines 09545
Amplifiers, Electrons, Optical analysis, Lasers 00921
Antennae, Wave propagation, Amplitude, Turbulence, Atmospheric conditions 08124
Antimony sulfur iodide, Bismuth sulfur iodide, Phase transitions 01101
Atmospheric conditions, Infrared, Heterodyne reception, Lasers 08438
Autoregressive analysis, Estimation, Noise, Signal processing 01542
Benchmarking, Least squares estimation, Dosimetry, Nuclear reactors 00378
Biology, Current, Microwaves, Radiation 05293
Cadmium selenide, Electrodes, Luminescence, Polarization 03954
Cartography, Image processing, Scanning, Mapping, Economics 02215
Channels, Bandwidths, Time measurement, Clock synchronizers 03161
Chemical lasers, Calibration, Fabrication, Hydrogen fluoride 08378
Circuitry, Density, Polynomials, Filters, Signal processing 09532
Classification, Image processing, Remote sensing, Dissertation 05346
Coaxial cables, Transmission lines, Frequency 01041
Computed tomography, Image processing, Interpolation, Radar, Dissertation 04714
Cross sectional measurement, Data bases, Unfolding codes 00749
Current, Generators, Resonance, Arcs 08830
Data bases, Cross sectional measurement, Nuclear reactors 00741
Data bases, Experimental design, Standard deviation, Nuclear fuels 00382
Data compression, Signal processing, Modeling, Prediction 03132
Density, Recording systems, Noise, Magnetic fields, Particulate layer 05858
Digital systems, Radios, Frequency, Polarization 09324
Dosimetry, Benchmarks, Covariance 00748
Dosimetry, Software, Nuclear engineering 00195
Dye lasers, Electric fields, Anisotropy 08974
Electron gases, Electromagnetic waves, Charged particles 04812
Electrons, Gas lasers, Carbon dioxide, Amplifiers 00926
Electrons, Precipitation, Electromagnetics, Absorption, Astrophysics 07066
Electrooptics, Fluorine, Visible range, Electrons 07317

Spectral analysis, (continued)
Energy bands, Far infrared, Salts, Lasers, Phase transitions ... 02584
Energy bands, Infrared, Pumping, Lasers ... 00946
Energy bands, Phonons, Semiconductors, Cadmium manganese telluride ... 02705
Energy, Resonance, Radio frequency, Aeronomy ... 07073
Error, Approximations, Signal processing ... 01563
Far infrared, Lasers, Pumping, CHD_2F ... 05049
Far infrared, Lasers, Pumping, Resonance ... 08968
Ferrimagnets, Electronic structure, Magnetooptics, Oscillators, Ferrospinels ... 08926
Fiber optics, Dispersion ... 07740
Fiber optics, Lasers, Electromagnetics, Wave propagation ... 07769
Filters, Noise, Transfer functions, Simulation ... 00669
Filters, Signal processing, Waveforms, Fourier transforms ... 08762
Floods, Pattern recognition, Mapping, Radiometers ... 03690
Fluorescence, Gas lasers, Pumping, Krypton, Sodium ... 06740
Fluorescence, Pumping, Lasers, Sulfur ... 07360
Focusing, Raman spectroscopy, Resolution, Dissertation ... 00308
Focusing, Solar collectors, Reflectors ... 02522
Fourier analysis, Holograms, Localization ... 04041
Fourier transforms, Image processing, Radar ... 07878
Fourier transforms, Radiation, Interferometers, Microcomputers ... 03421
Fourier transforms, Software development, Power spectrum estimation ... 06323
Frequency, Error, Signal processing ... 03144
Frequency, Modulation, Noise ... 07979
Functions, Markov chains, Ergodicity ... 01547
Fusion, Spallation, Neutrons, Dosimetry ... 00384
Gain, Pulse generation, Power supply, Semiconductor lasers ... 00954
Gamma radiation, Resonance, Detectors, Electrons ... 06747
Gamma radiation, Velocity, Vibration, Signal processing ... 06789
Gas lasers, Carbon dioxide, Amplifiers, Gain ... 00974
Geology, Data collection, Remote sensing, Imaging, Dissertation ... 05348
Geology, Mapping, Image processing, Data processing, Thermodynamics ... 07038
Hadamard transforms, Coding, Orthogonality ... 06370
Harmonics, Speech recognition, Pitch frequency ... 04672
Heterojunctions, Aluminum gallium arsenide, Reliability ... 04012
Heterojunctions, Phototransistors, Noise, Frequency, InGaAsP/InP ... 07257
Heterostructure lasers, Fabrication, Emissions, GaInAsP/InP ... 05757
Heterostructures, Diodes, Temperature, $PbTe/Pb_{1-x}Sn_xTe$ ... 02684
Image processing, Pixels, Correlation coefficients, Mapping, Error ... 05351
Image processing, Resolution ... 08886
Infrared, Crop processing and storage, Remote sensing, Spectrophotometers ... 00547
Infrared, Radiometers, Telescopes, Satellites, Space exploration equipment ... 05040
Infrared, Solids, Pressure, Thermal conductivity, Refractive indices ... 05050
Injection, Lasers, Noise, Optical analysis ... 07350
Instrumentation, Precision engineering, Portability ... 03485
Instrumentation, Product development, Portability, Tektronix, Inc. 490 Series ... 03484
Insulators, Conductors, Impedance, Explosions, Discharges, Ultraviolet ... 01909
Integral equations, Cross sectional measurement, Dosimetry, Nuclear reactors ... 00747
Integrated circuits, Waveguides, Matching, Design ... 01045
Interferometers, Optics, Signal processing, Simulation ... 07290
Internal friction, Tunneling, Noise, Metals ... 03560
Iterative method, Electromagnetics, Scattering, Dissertation ... 01621
Klystrons, Harmonics, Oscillators, Energy ... 00734
Lasers, Coupling, Optics ... 07367
Lasers, Excitation, Power, Vibration ... 05763
Lasers, Photodetectors, Acoustooptics, Signal processing ... 03973
Light scattering, Oceanography, Radar, Backscattering ... 03102
Magnetic fields, Gamma radiation, Resonance ... 06788
Mapping, Scanning, Information processing, Testing ... 05352
Mapping, Simulation, Signal processing, Forestry, Data collection ... 08648
Materials testing, Auger electron spectroscopy, Process development ... 02544
Measurement errors, Tolerance, Parameter estimation ... 04781
Mercury bromide, Lasers, Discharges, Diffusion ... 07357
Microcomputers, Multiprocessing, Data collection, Nuclear physics, Dissertation ... 00061
Microwaves, Modulation, Semiconductor lasers ... 05759
Microwaves, Scattering, Signal processing, Detectors ... 06465
Millimeter waves, Reflection, Glass, Interferometers ... 08951
Modeling, Image processing, Pattern recognition, Dissertation ... 03979
Modeling, Oscillators, Signals, Modulation ... 01557
Modeling, Signals, Satellite communications ... 07980
Modes, Gas lasers, Oscillation ... 00968
Modulation, Density, Phase shift keying, Signal processing ... 09594
Noise, Acoustic variables measurement, Mathematical models, PN, Arctic ... 04732
Noise, Defects, Disks, Coatings ... 05877
Nonlinear systems, Input output, Expansion, Functions, Asymptotic behavior ... 00673
Nuclear magnetic resonance, Absorption, Energy bands ... 03557
Oceanography, Remote sensing, Channels, Satellites, Reflectance ... 00565
Optical properties, Films, Solar collectors, Solar energy ... 06665
Optics, Oceanography, Surface properties, Remote sensing ... 07052
Optics, Photometers, Microcomputers, Kinematics, Dissertation ... 03982
Packaged components, Microelectronics, Failure, Materials testing ... 02854
Photoconverters, Gallium arsenide, Temperature ... 00213
Photodiodes, Detectors, Dissertation, Atomic absorption spectrometry ... 08869
Power, Electron density, Ionosphere ... 07065
Power supply, Lasers, Magnetooptics, Recording systems ... 01520
Printers, Color, Ink, Quality control, Thermal variables control ... 08946
Pulses, Amplitude, Time measurement, Pulse generators ... 05078
Radar, Atmospheric conditions, Noise, Filters ... 09514
Radar, Scattering, Signal to noise ratio, Turbulence, Dissertation ... 07877
Radio astronomy, Polarization, Mapping, Galaxies ... 07067
Radio astronomy, Supernovae, Space exploration equipment ... 07069
Radio communications, Signal transmission ... 06112
Radio frequency, Bragg cells, Receivers, Military engineering ... 00812
Radio frequency, Electromagnetic waves, Radio astronomy, Dissertation ... 00581
Radio frequency, Reflection, Ionosphere, Doppler shift ... 06444
Radio waves, Telescopes, Cables, Switching, Frequency ... 09321

Spectral analysis, (continued)
Radios, Broadcasting, Satellite communications, Allocation, Orbits ... 077
Raman scattering, Ultraviolet, Lasers, Potassium ... 050
Reflection, Absorption, Photoelectrochemistry, Magnesium titanate ... 089
Remote sensing, Amplitude, Turbulence, Wind, Modeling ... 080
Remote sensing, Atmospheric conditions, Geography, Numerical analysis ... 022
Resonators, Microstrips, Capacitance ... 091
Resonators, Polarization, Oscillation, Dielectrics ... 043
Resource management, Identification, Mapping, Classification, Scanning ... 053
Satellite communications, Interference ... 079
Satellite communications, Remote sensing, Arrays, Sampling methods ... 021
Scanners, Mapping, Data structure, Software development ... 005
Scattering, Ultrasonics, Surface acoustic waves, Wave propagation ... 016
Schottky diodes, Solar cells, Capacitance ... 025
Scintillation, Amplitude, Atmospheric conditions, Signal transmission ... 016
Semiconductor lasers, Fiber optics, Dispersion, Resolution ... 093
Semiconductor lasers, Noise, Fabry Perot interferometers, Photoemission ... 009
Semiconductor lasers, Noise, Frequency, Phase matching ... 073
Semiconductor lasers, Noise, Optical feedback ... 073
Semiconductors, Lasers, Raman scattering, Dissertation ... 011
Signal detection, Noise, Resolution ... 038
Signal detection, Segmentation, Simulation ... 015
Signal detection, Segmentation, Simulation ... 063
Signal processing, Algorithms, Entropy, Estimation, Functions ... 047
Signal processing, Antennae, Arrays, Dissertation ... 015
Signal processing, Entropy, Estimation, Autocorrelation functions, Reliability ... 095
Signal processing, Maximum likelihood estimation ... 063
Signal processing, Medical electronics, Blood, Flow measurement, Apple II Plus ... 053
Signal processing, Parameter estimation ... 063
Signal processing, Random variables, Modulation, Frequency ... 079
Signal processing, Telecommunications, Bandwidths ... 031
Signal to noise ratio, Detection, Probability, Functions, Stochastic processes ... 03
Signals, Filtering, Shannon's theorem ... 03
Signals, Parameter estimation ... 07
Signals, Parameter estimation, Array processing, Bessel weighting ... 047
Signals, Waveforms, Modulation, CPFSK signals ... 095
Solar cells, Powder metallurgy, Cadmium selenide, Current voltage, Photodevices ... 00
Solar cells, Thermoelectric devices, Solar energy ... 01
Speckle, Interferometers, Diffusion, Channels ... 057
Spectrometers, Chemical variables measurement, Plasmas, Radiative transfer ... 04
Spectroradiometers, Remote sensing, Agriculture, Scanning ... 08
Speech recognition, Amplitude, Telephones ... 04
Speech recognition, Vocal tract frequency response, Curve fitting ... 04
Statistical analysis, Entropy ... 003
Superconductors, Films, Frequency, Thickness measurement ... 084
Synchronization, Signal processing, Time measurement, Dissertation ... 07
Underwater technology, Image processing, Pattern recognition, Matching ... 063
Vibration, Acoustics ... 019
Wave propagation, Oceanography, Buoys ... 022
Waves, Couplers, Microstrips, Frequency, Numerical analysis ... 032
Wire processing, Extrusion ... 038
X-rays, Diffraction, Superconductors, Superlattices, Sputtering ... 074
X-rays, Emissions, Lasers, Plasmas ... 073
X-rays, Lithography, Radiation, Resonance ... 050
X-rays, Scattering, Polarization, Cross sectional measurement, Ionosphere ... 087
Spectrograms,
Amplitude, Spectral analysis, Speech recognition, Telephones ... 046
Spectrometers,
Artificial intelligence, Research and development ... 050
Automation, Optimization, Dissertation, Atomic absorption spectrometry ... 067
Current voltage, Electromagnetic fields, Stability ... 034
Detectors, Photodiodes, Microprocessors, Calibration, Range control ... 024
Diffraction, Protons, Excitation, X-rays, Fluorescence ... 050
Electron spin resonance, Magnetic fields, Frequency, Amplitude ... 031
Electrons, Photons, Hodoscopes, Convertors, High energy physics ... 050
Fourier transforms, Infrared, Ellipsometry, Photometry, Retarders ... 084
Fourier transforms, Signal processing, Calibration, Radiometry ... 084
Fourier transforms, Signal to noise ratio, Detectors, Photons ... 084
Gamma radiation, Data collection, Portability, Microprocessors ... 050
Interfaces, Minicomputers, Software development ... 051
Ions, Resonance, Cyclotrons, Dissertation ... 003
Magnetic fields, Gamma radiation, Resonance ... 067
Microcomputers, Control systems, Thermodynamics, Decomposition ... 050
Microwaves, Lasers, Astrophysics, Heterodyne reception ... 074
Microwaves, Pollution control, Chemical variables measurement, Resonators ... 019
Mirrors, Diffraction gratings, Cameras, Collimators ... 003
Nuclear magnetic resonance, Signal to noise ratio, Optimization ... 050
Oscillators, Frequency, Electric variables control, Tuning ... 038
Resonance, Magnetic fields, Field effect transistors ... 003
Ultraviolet, Bremsstrahlung ... 003
Spectrometry,
Gamma radiation, Discrete ordinate analysis, Nuclear reactors ... 003
Gases, Mathematical models, Contamination, Adsorption ... 051
Photodiodes, Detectors, Dissertation, Atomic absorption spectrometry ... 088
Spectrophotometers,
Semiconductors, Reflection ... 067
Spectral analysis, Infrared, Crop processing and storage, Remote sensing ... 005
Spectrophotometry,
Remote sensing, Couplers, Fiber optics ... 077
Spectroradiometers,
Scanning, Spectral analysis, Remote sensing, Agriculture ... 086
Spectroscopy,
Acoustooptics, Lasers, Absorption, Photons, Thallium halides ... 025
Acoustooptics, Waveguides, Gas lasers, Fiber optics, Dissertation ... 008
Alpha radiation, Radioisotopes, Assays, Electronics ... 083
Auger electron spectroscopy, Materials testing, Spectral analysis ... 025

roscopy, (continued)
acitance, Vapor phase epitaxy, Diodes, Indium phosphide 01134
rier mobility, Nickel, Electric fields, Pn junctions, Defects 02699
emical variables control, Propellants, Flames 05137
mputer aided control, Scanning, Thermal variables measurement 02007
ctromagnetic fields, Josephson junctions, Superconductivity 04120
infrared, Lasers, Gas lasers, Pumping 09018
infrared, Lasers, Magnetic resonance, Lithium erbium tetrafluoride 05046
urier transforms, Interferometers, Polarization, Far infrared 07335
urier transforms, Resolution, Molecules, Gases 08434
mma radiation, Computer aided analysis, Minicomputers 05063
erojunctions, Interfaces, Charge density, Capacitance voltage 03464
erostructures, Noise, Electron gases 04394
ared, Lasers, Heterodyne reception, Spectral analysis 08438
ared, Reflectance, Reinforced plastics, Radiation 01937
erference, Photovoltaic effect, Lasers, Ionization, Signal processing 02610
ser spectroscopy, Fluorescence, Atoms, Concentration, Measurement 08993
sers, Neodymium, Holmium 08990
sers, Photodissociation, ^{200}HgBr^{81}, ^{64}ZnI 00950
sers, Polarization, Alkaline earths, Noble gases 07345
ht emitting diodes, Gallium arsenic phosphide. Dissipation 02527
minescence, Emission spectra, Detectors 01936
asurement errors, Phase shifts 00312
clear spectroscopy, X-rays, Lasers 08973
togalvanic spectroscopy, Lasers, Discharges, Cells, Electrodes 07348
otodevices, Diffraction gratings, Lasers, Four wave mixing, Dissertation 01940
ysics, Optical analysis, Waves, Radiation, Measurement 08439
asmas, Neodymium, Lasers 07435
lse generation, Signal processing, Charge carriers, Emissions, Dissertation 01939
laxation, Acoustooptics, Time measurement, Lasers, Absorption, Dissertation 03972
miconductors, Current, Lasers, Solar cells, Interfaces 02496
miconductors, Signal processing, Numerical analysis 01131
gnal processing, Echoes, Ultrasonics, Nondestructive testing, Bonding 03509
gnal processing, Noise, Amplitude, Control systems 03482
licon nitride, Film growth, Sputtering, Dissertation 07602
ectrometers, Electrons, Photons, Hodoscopes, High energy physics 05081
nchrotron radiation, Lithography, Dissociation, Resists 00310
lecommunications, Satellites, Atmospheric conditions, Meteorology 02280
in films, Bipolar devices, Fuses, Read only memory, Programming 01241
in films, Electrons, Tunneling 08435
rays, Electromagnetic waves, Metrology, Wave propagation 00282
ch recognition,
oustics, Waveforms, Interactive systems, Audio systems, Data processing 01480
nplitude, Telephones, Spectral analysis, Spectrograms 04673
rays, Processors, Architecture 00350
tificial intelligence, Research and development 04680
tificial intelligence, Research and development, United Kingdom 04681
tificial intelligence, State of the art 04677
tificial intelligence, State of the art, Technological forecasting 04676
oding, Integrated circuits, Metal oxide semiconductors 04505
oding, Markov processes, Modeling 01482
oding, Waveforms, Vectors, Classification, Dissertation 06371
ommunication networks, Fiber optics, State of the art 07729
ommunications, Channels, Signal to noise ratio 06437
ommunications, Military aircraft, Software development 06275
ata communications, Signal transmission, Simulation 06237
ata communications, Signal transmission, Simulation 07944
ata compression, Communications, Channels, Vector quantizers 07937
ata transmission, Algorithms, Allocation 06240
ata transmission, Switching, Buffers 09466
igitizing, Mapping, Signal processing 01484
conomics, Technology, Research and development, Hewlett-Packard 07081
lectronic mail, Private branch exchange, Plug compatibility, Switching 04612
iltering, Noise, Testing 04695
uman factors, Psychology, Error, Statistical analysis 01488
nage processing, Sequences, Data compression, Dissertation 03083
tegrated circuits, Prototyping, Simulation, Architecture 07618
inguistics, Processors, Error correcting codes, Parsing, Algorithms 06272
atching, Performance, Real-time vocabulary size 03084
ilitary aircraft, Man machine interactions, Modeling, Simulation, Testing 04691
odeling, Algorithms, Signal to noise ratio 04693
odeling, Vocal tract frequency response, Curve fitting 04671
odulation, Signal transmission, Coding, Performance, Delay 07986
ultiplexing, Frequency, Bandwidths, Orthogonality, Coding 06398
oise, Filtering 03077
oise, Signal processing, Filtering 02393
ffice automation, Data entry, Technological forecasting 02287
ffice automation, Local area networks, Private branch exchange 07095
itch frequency, Spectral analysis, Harmonics 04672
uality control, Linguistics, Semantics, Perception, Phonetics 04687
adios, Mobile systems, Satellite communications, Modulation, Dissertation 04799
ecording systems, Military aircraft, Flight control systems 08581
esearch and development, Artificial intelligence 04674
esearch and development, Artificial intelligence 04678
esearch and development, Artificial intelligence, State of the art 04675
esearch and development, Artificial intelligence, United Kingdom, LOGIS II 04679
esearch and development, Military aircraft, Fiber optics 05255
ecurity, Communications, Channels, Speech scramblers 07943
ignal processing, Detection, Automation, Adaptive control 01478
ignal processing, Filtering, Synthesis, Gain, Matching 04692
ignal processing, Noise 03182
ignal processing, Parameter estimation, Filter bank analysis 02384
ignal processing, Pattern recognition, State of the art 07916
ignal processing, Quality control, Adaptive delta modulation 01589
ignal processing, Sequences, Fourier transforms, Algorithms 03134
ignal processing, Technological forecasting 04683

Speech recognition, (continued)
Signal processing, Waveforms, Decomposition, Functions, Dissertation 06326
Systems analysis, Man machine interactions, Dissertation, User satisfaction 01486
Systems design, Artificial intelligence, Linguistics 06277
Systems design, Microprocessors 04690
Technological forecasting, Signal processing 04684
Technology, Office automation, Systems design 04651
Telecommunications, Insurance industry, GEICO 09459
Text processing, Remote access, Telephones, Data processing 06274
Time measurement, Systems design 06273
Training, Systems design, Military engineering 01489
Transmission, Private branch exchange, Switching, Architecture 07084
Vowel perception, Signal processing, Dissertation 03086
Speech synthesis,
Algorithms, Microprocessors, Memory, Systems design, Structural analysis 06271
Communication networks, Office automation, Text editing, Information retrieval 07819
Control systems, Automotive engineering, Microcomputers 02341
Digitizing, Telecommunications, Data transmission, Switching 04647
Filtering, Generalized cepstrum 01485
Frequency, Amplification, Neurophysiology, Dissertation 03076
Generators, Signal processing, Approximations, Acoustics, Amplitude 04688
Guidance and control systems, Military aircraft, Testing, Systems design 06950
Integrated circuits, Communications, Remote control, Air conditioners 03085
Integrated circuits, Filters, Coding, Prediction, Dissertation 01281
Integrated circuits, Time measurement, Microprocessors 04689
Integrated systems, Simulation, Data communications, Quality control 07812
Interactive systems, Music, Quality control, Problem solving, Software packages 03079
Man machine interactions, Input output, Communications 06207
Modeling, Linguistics, Pressure, Velocity, Dissertation 06276
Modeling, Multiplexing, Delay, Simulation, Packet switching 07995
Nuclear reactors, Control systems, Failure, Man machine interactions 03344
Pattern recognition, Integrated systems, Office automation 09481
Signal processing, Coding, Image processing, Telecommunications 01587
Signal processing, Communication networks, Data compression, Bandwidths 01569
Signal processing, Noise, Waveforms, Energy 04694
Signal processing, Parameter estimation, Coding, Dynamic programming 01585
Signal processing, Pulse code modulation, Sequences, Data compression 01483
Signal processing, Technology 09482
Signal processing, Transforms, Coding, Identification, Dissertation 06315
Telephones, Customer services, Research and development, Hungary 01452
Text processing, Quality control, Filtering, Performance 03080
Speech transmission,
Banking, Telecommunications, Fiber optics, Citibank 06147
Channels, Packet switching, Air traffic control, Simulation 07938
Channels, Quality control 09478
Channels, Traffic, Modeling 03154
Circuitry, Input output, Design 01487
Coding, Algorithms, Modems, Amplitude, Dissertation 09477
Coding, Modulation, Unity-bit coders 04795
Communication networks, Data transmission, Economics, Technological forecasting 07826
Communication networks, Packet switching, Broadcasting, Fault tolerance, Error 01449
Communication networks, Packet switching, Protocols, Multiplexing 07845
Communication networks, Performance, Analog to digital conversion 07814
Communication networks, Protocols, Packet switching, Radios, Mobile systems 07680
Communication networks, Protocols, Specifications, Integrated systems 06232
Communications, Air traffic control, Modulation 07687
Communications, Packet switching, Economics 09454
Data communications, Local area networks, Workstations, UniLAN 07836
Data entry, Technological forecasting 05393
Data processing, Multiplexing, Traffic, Performance, Delay 07994
Data transmission, Closed circuit television, Video systems, Control systems 02967
Data transmission, Communication networks, Systems design, Rolm CBX II 04621
Data transmission, Integrated systems, Data bases, Resource management 07828
Data transmission, Integrated systems, Electronic mail, Switching, Economics 06225
Data transmission, Packet switching, Communication networks, Traffic 07849
Data transmission, Private branch exchange, Switching, Electronic equipment 01445
Data transmission, Telecommunications, Economics 03059
Data transmission, Telecommunications, Integrated systems, Local area networks 01432
Data transmission, Telecommunications, Modeling, Dissertation 01582
Distributed processing, Local area networks, Packet switching, Protocols 04640
Electronic mail, Data transmission, Information retrieval, Integrated systems 06226
Electronic mail, Manufacturing, Marketing, Patent, Research and development 03048
Electronic mail, Storage, Computer aided control, Office automation, Economics 06228
Encoding, Signal to noise ratio 09586
Facsimile systems, Electronic mail, State of the art 03023
Fiber optics, Cables, Satellite communications, Data transmission 01433
Fiber optics, Signal processing, Multiplexing 09333
Fiber optics, Telecommunications, Economics, State of the art 04566
Filters, Signal to noise ratio, Pulse code modulation 09596
Frequency, Access, Channels, Communication networks, Televisions 06166
Interfaces, Packet switching, Communication networks, Systems development 01473
Interfaces, Standards, Local area networks, Packet switching 07818
Local area networks, Channels, Signal transmission, Packet switching 04632
Local area networks, Distributed systems, Control systems, Packet switching 07842
Local area networks, Fiber optics, Protocols, Routing, Robustness 09343
Local area networks, Integrated systems, Packet switching, Data transmission 01465
Man machine interactions, Communications 09479
Minimax, Multiplexing, Channels, Delay 07996
Mobile systems, Radios, Access, Delay, Simulation 07681
Multiplexing, Synchronization, Performance, Traffic, Integrated systems 07924
Multiplexing, Time measurement, Queueing theory 07997
Networks, Packet switching, Simulation 06354
Networks, Signal processing, Research and development, Japan 09574
Office automation, Business, Management information systems, Telecommunications 05394
Office automation, Communications, State of the art 06263
Office automation, Private branch exchange, State of the art 09457

Speech transmission, (continued)
Office automation, Telephones, Switching, Private branch exchange 09461
Office automation, Workstations, Systems design 03051
Packet switching, Circuitry, Channels, Delay, Probability 07844
Packet switching, Communication networks, Data processing, Synchronization 07846
Packet switching, Modulation, Communication networks, Queueing theory, Modeling 01571
Packet switching, Protocols, Interactive systems, Architecture 07813
Packet switching, Protocols, Modular design 09455
Packet switching, Traffic, Communication networks, Data processing, Protocols 07954
Pattern recognition, Quality control, Naive versus practiced speakers 03078
Pattern recognition, Signal processing, Noise, Transfer functions, Dissertation 03129
Poisson processes, Simulation, Distributions, Multiplexing, Packet switching 07993
Private branch exchange, Data transmission, State of the art 07085
Private branch exchange, Economics 01470
Private branch exchange, Telephones, Automation, Technological forecasting 01468
Protocols, Local area networks, Robustness 04782
Pulse code modulation, Coding, Security, Military 04763
Radio communications, Air traffic control 08732
Radio communications, Signal processing, Modulation 03199
Radios, Satellite communications, Synchronization, Channels, Delay 01415
Research and development, Coding, Vector quantization 04685
Satellite communications, Channels, Data transmission, Phase shift keying 01412
Satellite communications, Mobile systems, Antennae, Amplifiers, Frequency 04604
Satellite communications, Packet switching, Teleconferencing, Controllers 07791
Satellite communications, Teletex, Converters, Modems 07832
Signal processing, Algorithms, Extrapolation, Sequences 03136
Signal processing, Channels, Interference 07854
Signal processing, Coding, Filters, Data compression 03176
Signal processing, Military, Coding, Bandwidths, Dissertation 04794
Signal processing, Noise, Interference, Attenuation, Filters 03082
Signal transmission, Local area networks, Telecommunications 06355
Signals, Algorithms, Fourier transforms 09539
Simulation languages, Routines, Programming, Buffers, Scheduling 07822
Telecommunications, Local area networks, Loops, Economics, Problem solving 03018
Telecommunications, Office automation, Radios, Image processing 03043
Telecommunications, Offshore engineering, Fiber optics 09339
Telecommunications, Signal reception, Interference, Echo suppressors 04650
Telecommunications, Systems design, Switching, Man machine interactions 04606
Telecommunications, Terminals, Software development, Man machine interactions 06208
Telephones, Customer services, Quality control, Standards, Hungary 01453
Telephones, Data entry, Technology, Research and development 03046
Telex, Electronic mail, Telecommunications, State of the art 01438
Vocoders, Channels, Parallel processing 01481
Spread spectrum communications,
Access, Modulation, Phase shift keying, Bit error probability 09568
Acquisitions, Performance 06395
Analog to digital converters, Interference, Quantization 02454
Data collection, Markov processes, Algorithms, Probability, Dissertation 04771
Data communications, Gain, Modulation 03187
Data transmission, Signal processing, Frequency, Channels, Radio communications 01314
Frequency, Synchronization, Mathematical models, Dissertation 03478
History, Signal detection, Noise 02887
Interference, Mathematical models, FH/MFSK 09569
Military equipment, Satellite communications, Onboard processing 05259
Modulation, Phase shift keying 03190
Multiple access systems, Coding, Telephones, Radio communications, Dissertation 04527
Multiplexing, Coding, Signal transmission 09553
Networks, Military 02882
Performance, Signal reception, Atmospheric conditions 03171
Radio communications, Military engineering, Electronic warfare 00503
Radios, Mobile systems, Frequency, Signals, Tracking 01303
Satellite communications, Multiplexing, Access 06189
Signal to noise ratio, Waveforms, Filters, Quantization 07133
Stability,
Acoustics, Combustion, Pressure, Oscillation, Dissertation 03515
Adaptive control, Control systems, Parameter estimation 05195
Adaptive control, Electric power generation, Algorithms 08354
Aircraft, Guidance and control systems, Energy, Displacement 05254
Aircraft, Guidance and control systems, Optimization, Quality control 06967
Aircraft, Propulsion, Flight control systems, Simulation, Modeling 05266
Aircraft, Turbulence, Measurement, Boundary layers, Flow 09034
Airfoils, Transonic flow, Modeling 08584
Algorithms, Circuitry, Filters, Lattices 00646
Amplifiers, Frequency, Transistors, Ports 07190
Astronomy, Random variables, Stochastic processes, Collisions, Saturn's rings 06904
Cables, Design, Binding, Mechanical strength, Performance 07466
Circuitry, Amplifiers, Voltage, Numerical analysis, Biomedical engineering 05504
Circuitry, Capacitors, Thermal variables control 05925
Circuitry, Controllers, Simulation 03827
Color, Liquid crystals, Displays, Polarization, Performance 08900
Communication networks, Tracking, Controllers, Simulation, Power systems 04965
Controllers, Design, Optimization, Simulation, Feedback 04954
Controllers, Loops, Converters, Drives, Simulation 06568
Controllers, Optimization, Modeling 00393
Convergence, Difference equations, Filtering, Control systems, Optimization 06382
Converters, Current, Frequency, Integrated circuits, Transistors 05540
Cryogenics, Semiconductor lasers, Thermal variables measurement 07385
Cryogenics, Superconductors, Solenoids, Niobium, Tin 04228
Current, Power systems, Control systems 08246
Current, Thermal variables control, Spectrometers, Magnets 01957
Current, Thyristors, Field effect transistors 04397
Diocotrons, Masers, Waveguides, Theoretical analysis 07358
Discharges, Magnets, Superconductivity, Energy storage components 04265
Discrete time systems, Testing, Fraction expansions, Reactance, Functions 00677
Displacement, Integrated circuits, Numerical analysis 04464
Dissipation, Current, Solenoids, Conductors, Superconductivity 04272
Stability, (continued)
Education, Electric power generation, Computer programs, Displays 04953
Electric fields, Coupling, Fluidized beds, Numerical analysis 08446
Electric fields, Electromagnetic waves, Plasmas, Wave propagation 08059
Electric fields, Fluidized beds 08449
Electric power generation, Control systems, Structural analysis 06609
Electric power generation, Flow, Newton Raphson method 08247
Electric power generation, Least squares estimation, Problem solving, Matrices 01855
Electric power generation, Modeling, Loading, Voltage, Algorithms 08249
Electric power generation, Reliability, Power systems, Systems analysis 01750
Electric power generation, Simulation, Stochastic processes, Computer programs 01858
Electric power generation, Simulation, Time measurement, Modeling 04946
Electric power generation, Switching, Random processes, Probability, Simulation 00152
Electric power generation, Transmission, Reactance, Slip, Identification 03469
Electric power generation, Tuning, Computer aided control 04901
Electric power generation, Voltage, Oscillation, Loading, Flow 00143
Electric power transmission, Compensators, Power systems 01744
Electric variables control, Current voltage, Arc furnaces, Simulation 05808
Electrochemical reactions, Reactors, Modeling, Computer aided analysis 08309
Electromagnetics, Conduction, Modeling, Finite element method 07449
Electromagnetics, Transducers, Radiospectrometers 05086
Electronic equipment, Machinery, Simulation, Modeling, Testing 06520
Electrons, Frequency, Plasmas, Magnetohydrodynamics 06634
Electrostatics, Electrodes, Discharges, Gases, Pressure 09076
Entropy, Microwaves, Oscillators 03857
Excitation, Control systems, Power systems, Design 06512
Fabrication, Filters, Transformations 05463
Fault tolerance, Electric power generation, Superconductivity, Generators 04277
Fault tolerance, Power systems, Testing, Turbines, Generators 08225
Feedback, Circuitry, Integrals, Manifolds 08537
Feedback, Oscillators, Control 06940
Fiber optics, Communications, Information retrieval 09378
Fiber optics, Communications, Wave propagation, Semiconductor lasers 04030
Fiber optics, Pressure, Transducers, Mechanical strength 09132
Filters, Design, Feedback, Convergence, Stochastic processes 07970
Filters, Design, Two dimensionality, Polynomials, Optimization 02368
Filters, Feedback, Numerical analysis 07109
Filters, Loops, Feedback, Switching, Control systems 00402
Filters, Noise, Transfer functions 03778
Filters, Quantizers, Limit cycles 07120
Filters, Transfer functions, Delay 03796
Filters, Transformations, Convergence, Impulse response, Numerical analysis 00637
Filters, Transformations, Storage, Recursion 03781
Flow, Wave propagation, Vibration, Blades, Aerodynamics 08466
Frequency, Aluminum gallium arsenide, Semiconductor lasers, Injection 02593
Frequency, Aluminum gallium arsenide, Semiconductor lasers 05760
Frequency, Lasers 00902
Frequency, Noise, Aluminum gallium arsenide, Semiconductor lasers 02592
Frequency, Oscillators, Channels, Noise 08821
Frequency, Processors, Terminals, Filtering, Instrumentation 03736
Frequency, Radios, Microstrips, Oscillators 04542
Frequency, Switching, Temperature, Injection, Lasers 07339
Gallium aluminum arsenide, Semiconductor lasers, Modulation, Noise 02596
Gas lasers, Frequency, Design, HeNe 00976
Gas lasers, Modes, Frequency, Harmonics 00920
Gauges, Pressure, Transducers, Vibration, Magnetic variables measurement 08391
Heat exchangers, Flow of liquids, Magnetic variables measurement 08463
Heterostructure lasers, Diffusion, Junctions, Waveguides 00923
Hydroelectric power generation, Energy storage, Compressed air equipment 04952
Hydrogen, Masers, Noise, Frequency, Receivers 08975
Image processing, Filtering, Arrays, Circuitry, Televisions 07288
Image processing, Optics, Oscillation, Feedback 00889
Image processing, Sequences, Vectors, Input output, Recursion 00865
Injection, Lasers, Refractive indices, Waveguides, Temperature 04007
Instrumentation, Pressure measurement 01884
Integrated circuits, Plasmas, Resists, Ultraviolet 02536
Ionosphere, Electrons, Ions, Collisions 07075
Josephson junctions, Thermal variables measurement, Lead, Alloys 04216
Lasers, Coupling, Current, Temperature 08977
Lasers, Frequency control, Computer aided control, Microcomputers 07341
Linear systems, Discrete time systems, Testing 03606
Loading, Electric power generation, Statistical analysis 08241
Loading, Electric power generation, Transients 03389
Local area networks, Protocols, Access, Control systems, Delay 01428
Magnetic fields, Transmission lines, Integrated circuits, Short circuits 04242
Magnetic variables control, Rotating bodies, Hydrodynamics, Flow of liquids 08465
Magnetic variables control, Waves, Fluid dynamics, Numerical analysis 03321
Magnetohydrodynamics, Boundary layers, Surface properties, Numerical analysis 08281
Magnets, Superconductivity, Cryogenics 04090
Mapping, Distributed systems, Security, Modeling, Organization and methods 06098
Mathematical models, Current voltage, Circuitry, Interrupter, Simulation 00237
Mathematical models, Gas lasers, Carbon dioxide, Injection 07391
Mathematical models, Spacecraft, Magnetic variables control, Bearings, Rotors 06949
Matrices, Very large scale integration, Computer aided design, Reliability 06042
Metal oxide semiconductors, Field effect transistors, Oscillators, Dielectrics 02441
Microwaves, Amplifiers, Gallium arsenide, MESFET 08811
Modeling, Filters, Transfer functions 05464
Networks, Nonlinear RLC networks 02407
Nickel silicide, Oxidation, Metallization, Interconnections 05562
Nonlinear systems, Oscillation, Frequency, Hydrodynamics, Numerical analysis 01934
Optics, Resonators, Cavities, Mathematical models 06470
Oscillators, Synchronization, Frequency, Noise, Phase locking 08818
Oxidation, Silicides, Integrated circuits, Book 07669
Performance, Controllers, Filters 07142
Phase shifts, Integrated circuits, Signal transmission, Gyrators 05515
Phase shifts, Metal oxide semiconductors, Packaged components, Passivation 01235

bility, (continued)
hase shifts, Voltage, Varactors, Superconductivity, Oscillators 03859
hotoreceptors, Wavelengths, Light emitting diodes, Selenium 07301
hotovoltaics, Optics, Illumination, Degradation 00790
lasma heating, Tokamaks 06631
lasmas, Electric fields, Hysteresis, Oscillators 00320
olynomials, Ordinary differential equations, Delay, Testing, Markov processes 00676
ower systems, Computer aided analysis, Interconnected systems 06608
ower systems, Controllers 05019
ower systems, Design, Circuitry, Control systems, Dissertation 08135
ower systems, Energy, Dissertation 08257
ower systems, Frequency, Damping 01738
ower systems, Frequency, Networks, Optimization 08264
ower systems, Linear programming 06618
ower systems, Reliability 08362
ower systems, Simulation 06605
ower systems, Thyristors, Mathematical models, Transportation 08189
ower systems, Transmission, Mathematical models 08196
ulse generation, Infrared, Dye lasers, Tuning 09023
adar, Tracking, Filters, Graphs, Parameter estimation 05478
andom processes, Monte Carlo method, Analog to digital conversion, Error 08833
emote sensing, Image processing, Filtering, Quality control 02251
obots, Control systems, Mechanical handling 08552
obustness, Controllers 05193
afety, Superconductors, Cryogenics, Computer aided analysis 04139
atellite communications, Backup systems, Radios, Reliability, Frequency 09414
Semiconductor lasers, Aluminum gallium arsenide, Photoelectric effect, Krypton 04026
Semiconductor lasers, Amplifiers, Carrier density, Refractive indices 00958
Semiconductor lasers, Coupling, Frequency 08965
Semiconductor lasers, Fabrication, Etching, Temperature 05762
Semiconductor lasers, Resonators, Switching, Numerical analysis 00953
Semiconductor lasers, Switching, Optics, Computer aided analysis 05761
Semiconductors, Plasmas, Dispersion, Numerical analysis 03230
Signal processing, Filtering, Iteration, Convergence, Dissertation 02363
Signals, Extrema, Measurement errors 06898
Silicon, Solar cells, Fabrication, Pin junctions, a-Si:H 05650
Simulation, Helicopters, Guidance and control systems, Displays 05263
Simulation, Loading, Power systems 06604
Solar cells, CdS/CdTe 05623
Spacecraft, Attitude control, Actuators, Torque 05279
Spacecraft, Automatic control, Guidance and control systems 02086
Spacecraft, Guidance and control systems, Software, Space Shuttle 00473
Spectrometers, Current voltage, Electromagnetic fields 03480
Spinels, Electrical conductivity, Thermal variables measurement, Stoichiometry 06881
Substrates, Solar energy, Thermal variables measurement, Structural analysis 00209
Superconductivity, Cryogenics, Conductors 04253
Superconductivity, Cryogenics, Magnets 04159
Superconductors, Aluminum, Magnetoresistance 04091
Superconductors, Cooling, Magnets 04246
Superconductors, Cryogenics, Quenching, Phase transitions 04214
Superconductors, Solenoids, Aluminum, Nb_3Sn 04200
Switching, Gallium arsenide, Reflectors, Dissertation 02450
Synchronous machines, Power systems, Damping, Control systems 00077
Synchronous motors, Excitation, Alternators 06558
Systems analysis, Dynamical systems, Control systems 03576
Systems analysis, Input output, Parameter estimation 04956
Systems analysis, Testing, Organization and methods 08542
Technological forecasting, Launching facilities, Satellites 00475
Telecommunications, Satellite communications, Synchronization 01393
Telecommunications, Wire, Polyethylene, Insulators, Copper 07244
Thermal variables control, Generators, Hydroelectric power generation 00082
Thermometers, Optics, Process control, Transducers, Maintenance 05035
Thermostats, Performance 07455
Thyristors, Temperature, Controllers, Pulse generation 05537
Time measurement, Oscillators, Quartz 05527
Time measurement, Relaxation, Oscillators, Noise 03862
Time varying systems, Telecommunications, Circle criterion 01286
Transducers, Calorimetry, Wattmeters 09160
Transformers, Resonance, Research and development, Energy conversion 09164
Tuning, Neodymium, YAG lasers, Injection 07378
Turbogenerators, Simulation 01710
Voltage, Acoustooptics, Oscillators 00853
Voltage, Electric power generation, Transmission lines, Networks 01749
Water turbines, Elasticity 03285
Waveform generators, Oscillators, Modeling, Biology 05535
Wind turbines, Electric variables control, Simulation 08230
ainless steel,
Alloys, Polarization, Defects, Electrodes, Potentials 05142
Current voltage, Ionosphere, Plasmas, Space technology, Scaling laws 08284
andards,
Acoustic emissions, Transducers, Ultrasonics, Frequency, Calibration 07498
Aerospace test facilities, Batteries, Safety systems, Missiles 01794
Aircraft engineering, Guidance and control systems, Reliability 08582
Avionics, Distance measurement, Microwaves, Landing gear 06957
Banking, Personal computers, Videotex, Home banking 09449
Batch processing, Floating point arithmetic, Integrated circuits, Partitioning 03742
Capacitance, Circuit breakers, Testing, Voltage 00107
Cesium, Frequency, Metrology 08428
Color, Televisions, Ships 07774
Communication networks, Government policies, Performance, ARPANET 01419
Communication networks, Office automation, Word processors, Plug compatibility 06193
Communication networks, Processors, Memory, Buses, Modules 05398
Communication networks, Telephones, Integrated systems, Technology, Protocols 04661
Conductivity, Insulators, Pollution control, Failure, Statistical analysis 02474
Convergence, Data processing, Telecommunications, Technological forecasting 06092
Current, Metering, Power systems 01764

Standards, (continued)
Data transmission, Interfaces, Local area networks, Packet switching 07818
Dielectrics, Voltage, Capacitors, Ceramics 03898
Distance measurement, Avionics, Microwaves, Landing gear 06466
Electric power distribution, Automation, Computer aided control, Data bases 00127
Electrical engineering, Education, Training 07104
Electronic mail, Transmission, Compatibility 06224
Energy storage components, Performance, Heating systems, Solar collectors 00200
Facsimile systems, Microprocessors, Performance, Cost benefit analysis 03008
Fault detection, Current, Transformers, Relays 01874
Fault detection, Voltage, Circuit breakers, Protective circuits, Mining 03834
Fiber optics, Local area networks, Reliability, Electric power transmission 07719
Fiber optics, Local area networks, Technological forecasting, Testing 06151
Fiber optics, Manufacturing, Government policies, Marketing 06150
Fiber optics, Parameter estimation, Manufacturing 07772
Flux, Thermal insulation, Thermal conductivity, Thermal variables measurement 03890
Frequency, Signal processing, Measurement errors 08430
Government policies, Telecommunications, Organization and methods 03035
Grounding, Electric power transmission, Impedance 01922
Grounding, Resistance, Computer aided analysis 04903
Hall effect, Resistors 08423
Horn antennae, Polarization, Beam propagation, Directivity 01666
Illumination, Optics, Safety systems, Offshore structures 02525
Inspection, Hydroelectric power generation, Capacitors, Fault detection 00126
Interfaces, Precision engineering, Microelectronics 05031
Lasers, Modeling, Error, Disks, Magnetic variables control 05860
Local area networks, Architecture, Control systems, Modeling 00139
Local area networks, Packet switching, Protocols 03020
Local area networks, Performance, Delay, Protocols, Modeling 06256
Local area networks, Plug compatibility, Protocols 05414
Local area networks, Private branch exchange, Compatibility 04522
Management, Personnel, Measurement, Word processing 02293
Measurement errors, Computed tomography, X-rays 05706
Measurement errors, Voltage 00289
Measurement, Fiber optics 07736
Metrology, Radiators, Specifications 08864
Modular design, Instrumentation, Assembling, Packaged components 06709
Motors, Tolerance, Classification 04882
Multiprocessors, Interfaces, Data structure, Buses 00601
Navigation, Government regulations, Telecommunications, Safety systems 04698
Networks, Management, Compatibility, Economics 09424
Nuclear power plants, Control systems, Technological forecasting 00192
Optical character recognition, Computer graphics, Information processing 05685
Optics, Transfer functions, Imaging 02579
Packet switching, Communication networks, Software development, Technology 03000
Performance, X-rays, Televisions, Interfaces 07780
Photodevices, Solar energy, Plant and factory layout, Materials testing, Gain 01831
Photovoltaics, Power systems, Transformers, Thyristors, Transistors 05656
Piezoelectricity, Vibration, Stress, Electric fields 09082
Polymers, Insulators, Voltage, Electric power distribution, State of the art 08213
Power systems, Waveforms, Distortion, Monitoring 01779
Private branch exchange, Switching, Manufacturing, Signal processing 08714
Protection, Lightning, Risk assessment, Buildings, Probability 03713
Protocols, Packet switching, Telecommunications, Channels 03061
Radar, Remote sensing, Instrumentation, Data collection, Distribution 06284
Robots, Communication networks, Management, Architecture 02058
Safety systems, Aircraft, Flight control systems, Computer aided control 00478
Signal processing, Performance, Cost benefit analysis, Avionics 07863
Software development, Research and development, Management 07080
Specifications, Acoustic emissions, Information science 00348
Spraying, Electrostatics, Safety 01944
Superconductivity, Cryogenics, Frequency, Oscillators 04058
Technology, Microprocessors, Architecture 03755
Telecommunications, Broadcasting, Time measurement, Signal processing, ATA 03150
Telecommunications, Economics, Research and development, France 06206
Telecommunications, Europe 03009
Telecommunications, Local area networks, Technology 07673
Telecommunications, Satellite communications, Traffic, Access, Terminals 06190
Telecommunications, Security, Cryptography 03177
Telecommunications, Transborder data flow, Security, Monitoring 06102
Telecommunications, Videotex, Protocols, Publishing, Research and development 06128
Telephones, Customer services, Speech transmission, Quality control, Hungary 01453
Teletex, Communication networks, Protocols, Specifications 01411
Thermal variables measurement, Transducers, Laboratory testing 08379
Ultrasonics, Thickness measurement, Inspection, Nondestructive testing 05109
Video systems, Classification 08887
Video systems, Magnetic tapes, Classification 09377
Videotex, Displays, Research and development 02561
Videotex, Displays, United Kingdom 06130
Videotex, Privacy, Access, Information retrieval, Research and development 01374
Videotex, Protocols, Coding, Syntax, Research and development 06089
Voltage, Grounding, Insulators, Electric power generation 03295
Standby systems,
Failure, Reliability, Switching, Redundancy, Probability 08554
Redundancy, Maintenance, Switching, Laplace transforms, Failure 03619
Redundancy, Switching, Modeling, Reliability, Numerical analysis 08541
Repair, Economics, Reliability, Markov processes, Integral equations 03621
Repair, Maintenance, Laplace transforms, Failure, Theorem proving 03618
Switching, Failure, Distributions, Probability, Reliability 08555
Stannic oxide,
Zinc oxide, Gases, Sensors, Transducers, Semiconductors 03550
Statistical analysis,
Algorithms, Microwaves, Attenuation, Microcomputers, BASIC 08039
Arrays, Parallel processing, Image processing, Remote sensing, Dissertation 03691
Circuit breakers, Maintenance, Electric power apparatus, Industry 08228
Computer programs, Personal computers, Circuitry, Performance 07644

Statistical analysis, (continued)
- Computer programs, Testing, Electrical insulation, Regression analysis ... 01771
- Construction, Environmental protection, Nuclear power plants ... 01807
- Consumer electronics, Game playing, Testing, Covariance, Dissertation ... 05420
- Data compression, Probability, Distributions, Markov processes, Modeling ... 03126
- Detectors, Polarization, Radar ... 01524
- Displays, Color, Receivers, Image processing, Modeling ... 03969
- Electric fields, Measurement, Plant germination ... 08448
- Electric power distribution, Fault tolerance, Channels, Recording systems ... 08267
- Electric power distribution, Voltage, Energy consumption, Economics, Loading ... 06689
- Electric power generation, Loading, Stability ... 08241
- Electric power generation, Maintenance, Systems analysis ... 03384
- Electromagnetic fields, Oscillators, Harmonics ... 01606
- Electromagnetics, Waveguides, Coupling, Modes ... 01054
- Electronic equipment, Gauges, Instrumentation, Quality control ... 01068
- Estimation, Electric power distribution, Economics ... 06694
- Fabrication, Thermistors, Production control ... 02622
- Failure, Pollution control, Insulators, Conductivity, Standards ... 02474
- Fiber optics, Electromagnetics, Wave propagation, Joints ... 01352
- Filters, Modeling, Error, Convergence, Dissertation ... 05466
- Filters, Signal processing, Impulse response, Frequency ... 00639
- Fluid mechanics, Meteorology, Magnetic fields, Boundary layers ... 02265
- Frequency measurement, Signal processing, Noise ... 06329
- Gaussian processes, Antennae, Backscattering ... 04808
- Geophysics, Remote sensing, Pattern recognition, Sea surface temperature ... 00532
- Geophysics, Seismology, Noise levels, Dissertation ... 02262
- Granular materials, Lasers, Anemometers, Computer aided analysis ... 01008
- Image processing, Mapping, Distributions, Dissertation ... 08932
- Infrared, Lasers, Communications, Scintillation ... 09052
- Injection lasers, Modes ... 05740
- Integrals, Diodes, Magnetic variables measurement ... 07538
- Interferograms, Polynomial fit, Dissertation ... 02581
- Linear systems, Signal processing, Graphs, Flow, Matrices ... 04751
- Mapping, Geography, Remote sensing, Structural analysis, Bands ... 03693
- Mathematical models, Electric power generation, Wind energy, Dissertation ... 00230
- Maximum likelihood estimation, Goodness of fit, Satellite data, Remote sensing ... 02182
- Meteorology, Boundary layers, Remote sensing, Monitoring ... 05375
- Meteorology, Management information systems, Computer graphics ... 08691
- Meteorology, Measurement, Distribution, Modeling, Attenuation ... 04819
- Microwaves, Meteorology, Atmospheric conditions, Thermal variables control ... 02180
- Missiles, Guidance and control systems, Reliability ... 05282
- Modeling, Remote sensing, Geophysics ... 02176
- Monte Carlo method, Josephson junctions, Logic circuits, Integrated circuits ... 04071
- Noise, Filters, Signal processing, Dissertation ... 05479
- Noise, Networks, Radio communications, Amplitude, Signal processing ... 04526
- Nondestructive testing, X-rays, Image processing ... 06741
- Online systems, Data collection, Electrolysis, Noise, Error ... 05135
- Optics, Calibration, Scanners, Data collection, Oceanography ... 05369
- Phase locked loops, Detection, Noise, Approximations, Signal processing ... 06344
- Photons, Diffraction, Lasers, Photomultipliers ... 07255
- Photons, Optics, Bistability, Resonators, Lasers ... 03952
- Polyethylene, Insulators, Lifetimes ... 06585
- Position control, Sensors, Uncertainty, Error, Maximum likelihood estimation ... 04334
- Quantization, Robustness, Signal processing, Asymptotic behavior, Vectors ... 01551
- Radar, Image processing, Noise, Resolution ... 06293
- Radar, Image processing, Polarization, Oceanography ... 07871
- Radios, Performance, Signal to noise ratio, Modulation ... 09311
- Random variables, Generators, Sequences, Read only memory ... 08789
- Reliability, Loading, Electric power generation, Energy resources ... 00080
- Remote sensing, Autocorrelation, Image processing, Mapping, Simulation ... 07024
- Respiratory system, Measurement, Impedance, Error, Signal processing ... 07012
- Service life, Heterostructure lasers, (Al,Ga)As/GaAs ... 00948
- Signal processing, Quantizers, Design, Histograms, Probability ... 07982
- Simulation, Density, Distributions, Interfaces, Metal oxide semiconductors ... 02763
- Simulation, Integrated circuits, Fault tolerance ... 06032
- Spectral analysis, Entropy ... 00313
- Speech recognition, Human factors, Psychology, Error ... 01488
- Surface properties, Computer aided design, Metal oxide semiconductors ... 07591
- Surface texture, Image processing, Optics, Tracking, Erosion ... 00897
- Systems design, Planning, Utilities, Approximations, Sensitivity analysis ... 00151
- Telecommunications, Cables, Testing ... 04300
- Tracking, Signals, Filtering, Robustness ... 01595
- Transmission lines, Electric fields, Current, Performance ... 08211
- Transmission lines, Electric fields, Magnetic fields, Measurement, Topography ... 09097
- Transmission lines, Performance, Outage ... 08219
- Underwater technology, Wave propagation, Acoustic variables measurement ... 03107
- Variance, Sampling methods, Estimation, Circuitry, Approximations ... 04496
- Velocity, Wind energy, Electric power generation, Turbines ... 01839

Stators,
- Coil winding machines, Armatures, Synchronous machines ... 06507
- Generators, Hydroelectric power generation, Rotors, Contacts ... 01712
- Modeling, Induction motors, Airgap ... 03283
- Power supply, Induction motors, Voltage, Control systems, Rectifiers ... 00073

Steam turbines,
- Boilers, Control systems, Power plants ... 01705
- Electric power generation, Productivity, Economics, Manufacturing ... 05021
- Power plants, Machinery, Vibration, Turbogenerators, Computer aided analysis ... 06552

Steam-electric power generation,
- Magnetohydrodynamics, Research and development ... 08353

Steel,
- Coatings, Electrodeposition, Corrosion, Copper, Nickel ... 03555
- Computer aided manufacturing, Robots, Assembling, Mechanical handling ... 05190
- Copper, Nondestructive testing, Quality control, Films, Radiography, Filters ... 03454
- Cryogenics, Stiffness, Internal stress, Welding, Book ... 07446
- Electric variables measurement, Magnetic variables measurement, Eddy current ... 06767
- Fiber optics, Crack propagation, Loading, Composite materials, Manufacturing ... 05038

Steel, (continued)
- Glass, Ultrasonics, Wave propagation, Nondestructive testing ... 06852
- Heat treatment, Magnetic variables measurement, Machine tools, Inspection ... 07522
- Lasers, Heat treatment, Hardening, Surface properties ... 09040
- Magnetic variables measurement, Nondestructive testing, Mechanical strength ... 00258
- Magnetization, Magnetic fields, Measurement, Electromagnets ... 07525
- Nuclear reactors, Pressure vessels, Neutrons, Irradiation, Dosimetry ... 00740
- Plates, Crack propagation, Nondestructive testing, Ultrasonics ... 09134
- Stress measurement, Nondestructive testing, Acoustoelasticity ... 00332

Steelmaking,
- Control systems, Energy conservation, Thyristors, Electric furnaces ... 02626
- Vessels, Wear, Inspection, Lasers ... 00396

Stepping motors,
- Coil winding machines, Drives, Automatic control ... 04877
- Controllers, Computer aided control, Motorola MC68701 ... 01684
- Magnetics, Voltage, Drives, Dissertation ... 06543
- Structural analysis, Torque measurement ... 01690
- Tuning, Microwaves, Computer aided control ... 06114
- Writing, Microelectronics, Printed circuit boards ... 01694

Stochastic systems,
- Discrete time systems, Delay, Parameter estimation ... 03574
- Electrodynamics, Oscillators, Equations of motion ... 03215

Stock control,
- Thermal variables measurement, Thermocouples, Assembling ... 00254

Storage,
- Bismuth silicon oxide, Holography, Interference, Photodevices ... 09049
- Buses, Channels, Communication networks, Software development, Pascal ... 04979
- Circuitry, Random access memory, Fabrication, Time measurement ... 04489
- Data collection, Analog to digital converters, Pulses, Controllers ... 05149
- Data communications, Machinery, Protocols, State exploration ... 07815
- Data transmission, Recording systems, Magnetic tapes, Tape drives ... 07086
- Electric power generation, Networks, Water, Electrolysis ... 08371
- Electric power generation, Nuclear power plants, Loading ... 08327
- Electronic mail, Speech transmission, Computer aided control, Office automation ... 06228
- Fabrication, Read only memory ... 06079
- Filters, Data processing, Frequency ... 08756
- Filters, Image processing, Stochastic processes, Noise, Matrices ... 02373
- Filters, Transformations, Stability, Recursion ... 03781
- Four wave mixing, Infrared, Visible range, Frequency, BDN dye ... 07407
- Gallium arsenide, Random access memory, Fabrication ... 04459
- Hydroelectric power generation, Control systems, Pumps ... 06606
- Hydroelectric power generation, Pumps, Computer programs, Desktop systems ... 01702
- Image processing, Televisions, Pulse code modulation, Quantization, Error ... 01599
- Image processing, Televisions, Remote sensing, Data compression, Dissertation ... 06372
- Information retrieval, Banking, Records management, Security ... 08718
- Information retrieval, Records management, Economics, Micrographics ... 00895
- Information retrieval, Reliability, Micrographics, Office automation ... 07100
- Integrated circuits, Arrays, Programming languages, Logic circuits ... 01262
- Mainframes, Random access memory, Josephson computers ... 09056
- Metal oxide semiconductors, Electronic storage, State of the art ... 02702
- Metal oxide semiconductors, Logic circuits ... 04403
- Metal oxide semiconductors, Random access memory, Fabrication ... 04483
- Microelectronics, Random access memory, Fabrication, Polysilicon ... 04480
- Micrographics, Image processing, Technology, File management, Displays ... 02564
- Nuclear power plants, Cleaning process, Technology, Contamination ... 04981
- Office automation, Data transmission, Optics, Decision making ... 06211
- Packaged components, Integrated circuits, Failure ... 02870
- Piecewise linear circuits, Algorithms, Canonical forms, Dissertation ... 05490
- Processors, Buffers, Optoelectronics, Memory, Algorithms ... 00813
- Programming languages, Robots, Data structure, Graphs, Information retrieval ... 08571
- Random access memory, Fabrication, Fault detection ... 04486
- Random access memory, Fabrication, Fault tolerance ... 04482
- Random access memory, Fabrication, Metal oxide semiconductors ... 09213
- Random access memory, Fabrication, Time measurement ... 04484
- Random access memory, Fabrication, Time measurement ... 04485
- Random access memory, Metal oxide semiconductors, Fabrication, Technology ... 05948
- Random access memory, Metal oxide semiconductors, Integrated circuits ... 04481
- Random access memory, Polysilicon, Fabrication ... 04487
- Random access memory, Transistors, Capacitance, Silicon, Fabrication ... 07642
- Read only memory, Reliability, Fault tolerance, EPROM ... 03622
- Research and development, Optical storage, Lasers ... 05659
- Solar collectors, Energy conversion, Current voltage, Electric power generation ... 03371
- Solar energy, Arrays, Reliability, Probability, Design ... 00222
- Storage rings, Cryogenics, Superconductors, Magnets ... 04136
- Superconductivity, Josephson junctions, Interferometers, Electronic storage ... 04094
- Superconductivity, Logic circuits, Interferometers, Josephson junctions ... 04112
- Superconductivity, Magnetics, Energy conversion ... 09063
- Superconductivity, Power systems, Oscillators, Magnetics ... 09064
- Surface acoustic waves, Schottky diodes, Circuitry, Voltage, Capacitance ... 09196
- Telemetry, Pulse code modulation, Microprocessors, Circuitry, Signal processing ... 04594
- Thermodynamics, Electric power generation, Space heating ... 06674
- Waveforms, Fourier analysis, Interpolation, Algorithms, Signal processing ... 09536
- Zinc sulfide, Thin films, Electroluminescence, Memory ... 00819

Strain,
- Bars, Vibration, Nondestructive testing ... 01979
- Cables, Fiber optics, Compression testing ... 04565
- Carbon, Thin films, Crystal structure, Raman scattering ... 06882
- Civil engineering, Structural analysis, Elasticity ... 03524
- Composite materials, Elasticity, Stress, Magnetic variables measurement ... 04354
- Engines, Thermodynamics, Tensile strength, Loading, Deformation ... 08392
- Fiber optics, Cables, Elasticity, Buckling, Adhesives ... 07696
- Fiber optics, Deformation, Thermal variables measurement ... 06156
- Fiber optics, Wave propagation, Transducers, Photoelasticity ... 07756
- Gauges, Signal processing, Transducers, Resonance, Frequency ... 01075
- Holography, Gears, Bending, Nondestructive testing ... 00257
- Measurement, Transducers, Gauges, Structural analysis, Mechanical strength ... 09157

in, (continued)
echanical strength, Image processing, Creep, Thermodynamics 03427
etal oxide semiconductors, Integrated circuits, Coding, Signal processing 02629
ckel, Superalloys, Creep, Temperature, Dissertation 08394
ondestructive testing, Holography, Vibration, Instrumentation 09053
ptics, Televisions, Gauges, Measurement, Remote sensing 01382
ensors, Force, Measurement 08387
ensors, Thin films, Transducers, Integrated circuits 04331
uperconductors, Rotors, Generators, Winding, Thermal variables measurement 08364
ellurium dioxide, Electrooptics, Refractive indices, Bonds 02550
nermal expansion, Seals, Packaged components, Microelectronics 01274
nermodynamics, Fiber optics, Mechanical strength 01321
ansducers, Gauges, Thermodynamics 05836
ansducers, Vibration, Measurement, Mechanical strength 09159
ansmission lines, Superconductors, Cryogenics, Solenoids 04290
ave propagation, Stress, Acoustics, Numerical analysis, Dissertation 06846
nc, Acoustics, Electromagnetic waves, Oscillation 00340
ain measurement,
uclear reactors, Monitoring, Transducers 08324
atosphere,
ar infrared, Emissions, Noise 08408
ess,
coustic emissions, Service life, Capacitors, Compression testing 05124
ending, Polarizers, Fabrication, Fiber optics 04543
ables, Electric variables measurement, Thermal insulation, Polymers 04919
apacitors, Metal oxide semiconductors, Conductance, Oxidation 00730
ivil engineering, Pipes, Data bases, Reliability, Mechanical strength 02636
ivil engineering, Structural analysis, Elasticity 03524
omposite materials, Elasticity, Strain, Magnetic variables measurement 04354
ontacts, Heat transfer, Thermodynamics, Finite element method 07232
urrent voltage, Synchronous motors, Capacitance, Resonance, Dissertation 04895
iffusion, Silicon, Solar cells, Open circuit voltage 08339
lectric power transmission, Cables, Crack propagation 08204
nergy conversion, Electric variables control, Machinery, Modeling, Education 06509
ailure, Degradation, Solar cells 05620
ailure, Reliability, Service life 06945
ailure, Semiconductors, Reliability, Research and development 07544
atigue, Nickel, Electrodes, Sintering 08335
iber optics, Birefringence, Anisotropy, Green functions 09386
iber optics, Birefringence, Measurement, Structural analysis 07744
iber optics, Birefringence, Polarization, Wave propagation 09372
ber optics, Fabrication, Testing 09365
iber optics, Polarization, Tensile testing, Finite element method 09380
iber optics, Polarization, Tensile testing, Finite element method 09381
ield effect transistors, Metal oxide semiconductors, Transistors 01236
requency, Quartz, Thermoelasticity, Least squares estimation, Acoustics 08483
nsulators, Polyethylene, Transmission lines, Fabrication, Fault detection 00130
ight emitting diodes, Gallium arsenic phosphide, Degradation 02526
Magnetic variables measurement, Seismology, Instrumentation, Calibration 06719
Mechanical strength, Fiber optics, Design, Performance 01326
Metals, Gallium arsenide, Contacts, Schottky diodes, Voltage 02715
Motors, Design, Magnetics, Electric fields, Book 08150
Nondestructive testing, Pipelines, Magnetic variables measurement, Bending 00318
Photoelasticity, Parameter estimation, Modeling, Light, Three dimensionality 00262
Piezoelectricity, Temperature, Switching, Quartz, Synthetic crystals 09084
Polyethylene, Voltage, Defects, Insulators 05565
Relaxation, Aluminum, Cables, Plating, Telephones 07234
Reliability, Circuitry, Failure, Current, Metals 05242
Service life, Nondestructive testing, Holography, Arc welding 02567
Solar collectors, Structural analysis, Modeling 04995
Stress measurement, Internal stress, Metals, Nondestructive testing 00332
Structural analysis, Linear accelerators, Solenoids, Superconductors, Loading 04256
Surface acoustic waves, Wave propagation, Deformation, Equations of motion 06721
Tellurium dioxide, Electrooptics, Refractive indices, Bonds 02550
Theoretical analysis, Optical properties, Lasers, Thermal variables measurement 05752
Thermal expansion, Seals, Packaged components, Microelectronics 01274
Thermal insulation, Ageing, Coil winding machines, Electric variables control 00718
Thermal variables measurement, Insulators, Ageing, Numerical analysis 08188
Titanium, Thermal expansion, Elasticity, Reliability 06944
Transformers, Temperature, Crack propagation, Glass 07252
Vibration, Electric fields, Piezoelectricity, Standards 09082
Voltage, Cables, Thermal variables measurement, Finite difference method 08273
Wave propagation, Strain, Acoustics, Numerical analysis, Dissertation 06846
Wire processing, Thermal variables measurement, Moisture control 06054
ress strain relations,
Integrated circuits, Resistors, Gauges, Dies 05039
Superconductors, Compression testing, Temperature, Magnets, Nb_3Sn 04205
ripiines,
Attenuation, Superconductivity, Thermal variables measurement 01017
Calibration, Superconductors, Current 04133
Charge carriers, Injection, Semiconductor lasers 00956
Coaxial cables, Microwaves, Converters 03869
Conductors, Modeling, Circuitry 03811
Connectors, Waveform generators, Josephson junctions, Logic circuits 04176
Cutoff, Microwaves, Waveguides 08065
Filters, Substrates, Microwaves 00632
Inductance, Current, Magnetic fields, Superconductivity 04279
Junctions, Semiconductors, Optical analysis, Integrated circuits, Detectors 00989
Magnetic fields, Coupling, Superconductivity, Josephson junctions 04119
Microelectronics, Superconductivity, Current voltage, Switching 04096
Microstrips, Antennae, Dielectric constants 04848
Microstrips, Resonators, Waveguides, Antennae 05829
Microwaves, Ultrahigh frequency, Packaged components, Integrated circuits 02640
Mixers, Diodes, Signal processing, Capacitance voltage 06456
Sensors, Semiconductors, Electrooptics 00807
Superconductors, Filters, Signal processing, Microwaves 09055

Striplines, (continued)
Time measurement, Reflectometry, Calibration, Dielectrics 01100
Waveguides, Image processing, Microwaves, Production planning 02639
Strontium titanate,
Interfaces, Platinum, Surface properties, Photodecomposition, Dissertation 06879
Structural analysis,
Acoustic emissions, Nondestructive testing, Reinforced plastics 05113
Acoustics, Measurement, Pressure, Radiation, Dissertation 06851
Aircraft, Helicopters, Frequency, Vibration, Optimization 05250
Aircraft, Wings, Elasticity, Guidance and control systems, Performance 05253
Alloys, Electric fields, Modeling, Scattering, Current voltage 01945
Annealing, Dosimetry, Metal oxide semiconductors, Damage 01154
Arc welding, Hydrogen, Flow of gases, Optics, Defect detection 05689
Arrays, Integrated circuits, Bandwidths, Image processing, Loading 06030
Bipolar transistors, Saturation 04396
Carrier mobility, Conductivity, Electric fields, Semiconductors 01127
Charge coupled devices, Sensors, Photodevices, Pattern recognition 04495
Civil engineering, Loading, Elasticity, Acoustic variables measurement 03524
Computer aided design, Logic, Simulation, Technology 06005
Crack propagation, Acoustics, Thermal variables measurement 00342
Current, Connectors, Magnets, Superconductivity 04148
Current voltage, Resistivity, Bipolar transistors 02728
Data transmission, Networks, Buses, Electric power generation 04944
Design, Thermometers 06718
Displays, Fabrication, Electrodes, Voltage 08896
Dissipation, Spectroscopy, Light emitting diodes, Gallium arsenic phosphide 02527
Distributed systems, Signal processing, Filters, Arithmetic 00636
Distributed systems, Trees, Algorithms, Multiprocessors, Arrays 06044
Eddy current, Conductors, Surface properties, Magnetic fields, Tokamaks 06752
Eddy current, Loading, Finite element method, Algorithms, Software development 06766
Elasticity, Crack propagation, Statics, Electric variables measurement 05037
Electric power generation, Stability, Control systems, Numerical analysis 06609
Electric variables measurement, Hydrocarbon processing, Dispersion 05084
Electric variables measurement, Resistors, Dissertation 00724
Electromagnetic fields, Antennae, Reflectors, Current 01668
Electromagnetics, Finite element method, Problem solving 06803
Electromagnetics, Modeling, Eddy current, Differential equations, Circuitry 06565
Electromagnetics, Modeling, Iteration, Fourier analysis, Flux 06813
Fast Fourier transforms, Fast polynomial transforms, Image processing 04741
Feedback, Control, Dynamical systems, Boundary value problems, Uncertainty 02016
Ferroelectric crystals, Liquid crystals, Paraelectricity, Dissertation 05694
Ferromagnetism, Electrons, Phonons, Coupling, $GaMo_4X_8$ 08500
Fiber optics, Birefringence, Measurement, Stress 07744
Fiber optics, Cables, Design, Thermal variables measurement 07751
Fiber optics, Data communications, Design, Wave propagation 04556
Fiber optics, Pressure, Deformation, Bending 02936
Filters, Control theory, Distributed processing, Arithmetic 02394
Filters, Design, Equivalence, Specifications 02369
Filters, Frequency, Amplifiers, Displacement, Distortion 05447
Filters, Frequency, Transformations, Parameter estimation, Graphs 08753
Filters, Functions, Communication networks, Synthesis, Dissertation 05459
Filters, Integrated circuits, Design, Amplifiers, Dissertation 03780
Filters, Maximum likelihood estimation, Algorithms, Asymptotic behavior 07115
Filters, Optimization, Design, Current voltage, Numerical analysis 03808
Filters, Polynomials, Stability, Recursion, Transformations 00643
Filters, Signal processing, Input 07106
Filters, Theorem proving, Circuitry 08751
Filters, Transformations, Frequency, Algorithms, Polynomials 03782
Finite element method, Solar collectors, Stress 04995
Fuels, Thermodynamics, Walls, Coatings, Magnetic variables control 08464
Gallium arsenide, Energy bands, Signal processing 02834
Gallium arsenide, Transistors, Electrons, Scattering, Optics 04395
Image processing, Optical communications, Silicon, Liquid crystals 07300
Image processing, Pattern recognition, Coding, Data transmission 00863
Industry, Robots, Reliability, Mechanical handling, Research and development 05187
Injection lasers, Modulation, Degradation 05739
Input output, Filters, Design, Optimization, Recursion 02375
Instrumentation, Transducers, Magnetic variables measurement, Force, Porosity 05832
Integrated circuits, Computer aided analysis, Simulation, Logic, Dissertation 06051
Integrated circuits, Design, Simulation, Modeling, Semiconductors 04364
Integrated circuits, Failure, Classification 04448
Integrated circuits, Memory, Logic, Topology, Processors 04461
Integrated circuits, Signal processing, Programming, Image processing 04449
Integrated circuits, Switching, Communication networks, Distributed systems 01446
Josephson junctions, Controllers, Optics, Memory, Technology 05799
Linear accelerators, Solenoids, Superconductors, Stress, Loading 04256
Local area networks, Fiber optics, Topology, Buses 09363
Logic circuits, Metal oxide semiconductors, Specifications 09262
Logic circuits, Modeling, Design, Signal processing, Delay 04472
Magnetic variables control, Circuitry, Modeling, Graphs, Hysteresis 01950
Mapping, Geography, Remote sensing, Bands, Statistical analysis 03693
Mathematical models, Nonlinear systems, Parameter estimation 05333
Measurement, Strain, Transducers, Gauges, Mechanical strength 09157
Memory, Cells, Crystal growth, Scanning, Fabrication 02726
Metal oxide semiconductors, Logic circuits, Channels, Design 09219
Metal oxide semiconductors, Transistors, Signal converters, Switching 01239
Microlithography, Optical storage, Lasers, Transmission electron microscopy 02312
Minerals and ores, Electron microscopy, Crystal defects 00373
Monte Carlo method, Modeling, Metal oxide semiconductors, Silicon, Electrons 05955
Multiprocessors, Architecture, Filters, Memory, Dissertation 04745
Neurophysiology, Networks, Cytology, Electric variables measurement 05330
Nickel hydroxide, Electrodes, Crystal growth, Performance 06653
Niobium, Bridges, Current voltage, Thermal variables measurement, Radio waves 04114
Niobium carbon nitride, Chemical vapor deposition, Superconductors 04099
Nondestructive testing, Acoustics, Signal processing, Noise 01976
Nondestructive testing, Holography, Vibration, Strain, Instrumentation 09053

Structural analysis, (continued)
Ohmic contacts, Schottky barriers, Indium telluride 01144
Optical character recognition, Cartography, Automation, Performance 00550
Optical communications, Converters, Silicon, Liquid crystals, Performance 07297
Oscillators, Noise, Dynamics, Excitation 06427
Pattern recognition, Circuitry, Communication networks, Bench marks 03825
Photoresponse, Solar cells, Charge carriers 00804
Photovoltaics, Modules, Design 06980
Photovoltaics, Solar cells, CuInSe/CdS 00793
Polymers, Circuitry, Packaging, Composite materials, Materials testing 06074
Porosity, Mercury, Coatings, Magnetic tapes 05863
Programming, Filters, Circuitry, Flow, Data processing 02359
Pulse code modulation, Televisions, Silicon, Modeling 09400
Radar, Image processing, Geology, Remote sensing, Mapping 07020
Recursion, Controllers, Matrices, Eigenvectors, Design 06935
Recursion, Filters, Delay, Transformations, Transfer functions 08754
Resonators, Electromagnetic fields, Oscillation, Spectral analysis 06477
Resonators, Microwave devices, Frequency, Coupling, Filters 03243
Rocket engines, Chemical variables measurement, Reliability, Failure 05268
Satellite communications, Simulation, Software packages, Topology 07801
Semiconductor lasers, Design, Optimization, Mode selection 07389
Semiconductors, Computer aided analysis, Charge carriers, Current voltage 00725
Sensors, Silicon, Films, Acoustics, Frequency 06848
Signal processing, Filtering, Random variables, Dynamical systems 09543
Signal processing, Parameter estimation, Optimization, Multivariable systems 05221
Signal processing, Satellite communications, Coding, Multiplexing 02886
Silicon, Channeling, EBIC, Current, Crystal defects 06748
Simulation, Interactive systems, Time sharing systems, Calculators 04961
Solar collectors, Performance, Energy storage components 01817
Sonar, Antennae, Safety systems, Gauges, Ships 04728
Spacecraft, Solar energy, Dynamics, Perturbation, Modeling 05265
Stepping motors, Torque measurement 01690
Superconductors, Nuclear magnetic resonance, Image processing 03440
Telecommunications equipment, Service bureaus 03040
Thermal variables measurement, Stability, Substrates, Solar energy 00209
Thin films, Displays, Electroluminescence, Zinc sulfide 05676
Transistors, Gallium arsenide, Modeling, Switching, Performance 07566
Transistors, Geometry, Silicon, Numerical analysis, Simulation 02729
Transistors, Integrated circuits, Fabrication 01269
Transmission lines, Dynamics, Loading, Programming languages, Modeling 09087
Very large scale integration, Circuitry, Filters, Technology, Dissertation 06041
Very large scale integration, Integrated circuits, Quality control, Design 01244
Vision, Filters, Anisotropy 05337
Vision, Image processing, Signal processing 08935
Wave propagation, Modeling, Electrochemistry 00517
Zinc oxide, Thin films, Surface acoustic waves, Transducers, Waveguides 05698

Submarines,
Fiber optics, Cables, Materials testing, Mechanical strength, Design 09328
Lasers, Marine engineering, Communication networks, Filters, Optics 05468
Military engineering, Electric power apparatus, Production planning 02120
Military equipment, Weapons, Manufacturing 06982
Noise abatement, Vibration, Underwater technology 01958
Position control, Buoys, Sonar, Underwater technology, Detectors 04729

Sulfur,
Pumping, Lasers, Fluorescence, Spectral analysis 07360
Sodium, Batteries, Design, Specific heat, Entropy 03334
Sodium, Batteries, Performance, Thermodynamics 06647

Sulfur fluoride,
Insulators, Current, Discharges, Corona, Switching 00722
Insulators, Signal converters, Electric power generation 01719
Insulators, Thyristors, Valves, Electric power transmission, Cooling systems 01723
Transmission lines, Conductors, Insulators 07241

Sulfur hexafluoride,
Breakdown, Voltage, Switching, Pressure 08266
Circuit breakers, Design, Voltage 08192
Current, Pressure, Voltage, Arcs 08199
Thermometers, Raman spectroscopy 06715

Supercapacitors,
Filters, Gyrators, Amplifiers, Circuitry, Inductance 02423

Supercomputers,
Optics, Algebra, Matrices, Signal processing, Research and development 02296

Superconductivity,
Analog to digital converters, Logic circuits, Signal converters, Fabrication 04095
Analog to digital converters, Signal converters, Logic circuits 04092
Attenuation, Thermal variables measurement, Striplines 01017
Bias, Current, Tunnel junctions, Josephson junctions 04110
Bridges, Resistors, Capacitors, Voltage 01019
Bridges, Voltage, Indium, Dissertation 01025
Capacitance, Radio frequency, Current voltage, Sensitivity 04122
Circuit breakers, Current voltage, Fault detection, Circuitry 04289
Circuit breakers, Switches, Current voltage, Electric power transmission 04285
Composite materials, Neutrons, Irradiation, Nb_3Sn-Cu 04100
Conductors, Magnets, Pulse generation 04153
Conductors, Phase transitions, Thermal variables measurement 00711
Conductors, Solenoids, Magnets, Current density 04158
Cryogenics, Conductors, Stability 04253
Cryogenics, Electric power generation, Alternators, Rotors 04252
Cryogenics, Europe, Magnets 04166
Cryogenics, Polymers, Steel, Book 07446
Cryogenics, Pulse generation, Storage rings, Solenoids 04223
Cryogenics, Solenoids, Design 04229
Cryogenics, Solenoids, Magnets, Product development 04123
Current density, Josephson junctions, Electric fields, Schottky diodes 04218
Current voltage, Josephson junctions, Integrated circuits, Bridges 04171
Current voltage, Solenoids, Rotating bodies, Minicomputers 04280
Electric power generation, Energy conversion, Coil winding machines 04250

Superconductivity, (continued)
Electric power generation, Fuel efficiency, Product development 042
Electric power generation, Temperature, Current density, Magnetics 002
Electrodes, Bridges, Junctions, Proximity effect, SN-N-NS 058
Energy conversion, Electric power generation, Japan 042
Energy storage components, Energy conversion, Magnets, Discharges, Stability 042
Energy storage components, Solenoids, Space technology, Current density 042
Fabrication, Schottky diodes, Tunnel junctions, Magnetic fields 041
Far infrared, Irradiation, Josephson junctions, Tunneling, Tunnel junctions 040
Feedback, Current, Dynamics, Thermoelectricity 010
Fusion reactors, Magnets, Fabrication 041
Generators, Electric power generation, Fault tolerance, Stability, Cryogenics 042
Gravity waves, Gradiometers, Numerical analysis 040
Gyrotrons, Tokamaks, Fusion reactors, Radio frequency 041
Hamiltonians, Junctions, Conductors, Dissertation 002
Helium, Cryogenics, Magnets, Thermal variables measurement 041
Interference, Magnetic fields, Thin films, Gradiometers 040
Josephson junctions, Alpha radiation, Switching 042
Josephson junctions, Amplifiers, Noise 041
Josephson junctions, Amplifiers, Simulation 041
Josephson junctions, Analog to digital converters, Logic circuits 040
Josephson junctions, Frequency, Noise 042
Josephson junctions, Interferometers, Integrated circuits, Current voltage 040
Josephson junctions, Interferometers, Memory, Microelectronics 040
Josephson junctions, Logic circuits, Integrated circuits, Flux, Trapping 040
Josephson junctions, Logic circuits, Signal processing, Simulation 040
Josephson junctions, Logic circuits, Systems design, Current density 040
Josephson junctions, Niobium, Thin films 026
Josephson junctions, Noise, Current, Tunnel junctions 041
Josephson junctions, Spectroscopy, Electromagnetic fields 041
Josephson junctions, Switching, Interferometers, Threshold 040
Josephson junctions, Switching, Noise, Tunnel junctions, Signal converters 041
Linear accelerators, Cryogenics, Thermal variables measurement 041
Linear accelerators, Detectors, Solenoids 041
Linear accelerators, Magnets, Coil winding machines, Cost benefit analysis 041
Lithography, Tunnel junctions, Thin films 040
Logic circuits, Integrated circuits, Josephson junctions, Resistivity 040
Logic circuits, Integrated circuits, Signal processing, Josephson junctions 041
Logic circuits, Storage, Interferometers, Josephson junctions 041
Magnetic fields, Current, Inductance, Striplines 042
Magnetic fields, Current, Josephson junctions, Tunnel junctions 058
Magnetic fields, Electric power transmission, Energy storage components 042
Magnetic fields, Neurophysiology, Sensors, Medical research 041
Magnetic fields, Resistivity, Aluminum 010
Magnetics, Energy storage components, Solenoids, Electric power generation 042
Magnetics, Storage, Energy conversion 090
Magnets, Acoustic testing, Signal processing, Solenoids, Quality control 041
Magnets, Coil winding machines, Flux, Magnetic fields 041
Magnets, Compressors, Refrigeration, Cryogenics, Linear accelerators 041
Magnets, Connectors, Current, Structural analysis 0414
Magnets, Cryogenics, Refrigeration 0414
Magnets, Design, Cryogenics 0420
Magnets, Energy storage components, Voltage, Breakdown, Safety systems 0414
Magnets, Fabrication, Solenoids, Magnetic fields 0424
Magnets, Linear accelerators, Energy conservation 0425
Magnets, Linear accelerators, Materials planning and control 0414
Magnets, Linear accelerators, Product development 0415
Magnets, Linear accelerators, Solenoids, Transmission lines 0412
Magnets, Linear accelerators, Thermal variables control, Transmission lines 0415
Magnets, Magnetohydrodynamics, Current density 0412
Magnets, Magnetohydrodynamics, Solenoids, Materials planning and control 0414
Magnets, Mass spectrometers, Cyclotrons, Ions 0414
Magnets, Protons, Synchrotrons, Fabrication 0413
Magnets, Research and development, Japan 0416
Magnets, Shielding, Iron 0418
Magnets, Short circuits, Solenoids, Magnetic fields 0419
Magnets, Solenoids, Acoustic emissions, Sensitivity 0419
Magnets, Solenoids, Fabrication 0414
Magnets, Solenoids, Precision engineering, Charge carriers 0417
Magnets, Thermal variables measurement, Quenching, Safety 0413
Magnets, Thermal variables measurement, Quenching, Voltage, Transmission lines 0422
Materials testing, Composite materials, Niobium, Titanium, Alloys 0410
Microwaves, Mixers, Impedance 0387
Microwaves, Tunnel junctions, Josephson junctions, Magnetics, Networks 0417
Motors, Cryogenics, Solenoids, Refrigeration 0429
Neutrons, Irradiation, Crystal defects, V_3Si 0102
Niobium, Resonators, Electric fields, Design, Particle accelerators 0417
Niobium, Surface properties, Defects, Thermal variables measurement 0405
Noise, Current voltage, Transformers, Flux, Tunnel junctions 0427
Noise, Phase transitions, Josephson junctions, Logic circuits, Switching 0407
Organic compounds, Temperature, Pressure 0101
Oscillators, Varactors, Voltage, Phase shifts, Stability 0385
Phase transitions, Quenching, Magnets, Thermal variables measurement 0424
Plasmas, Tokamaks, Pulse generation, Coil winding machines 0425
Potassium, Phase transitions, Thermal variables control, Electronic properties 0101
Power supply, Energy storage components, Current voltage, Signal converters 0428
Pulse generation, Energy storage components, Shielding, Solenoids 0428
Pulse generation, Solenoids, Transmission lines 0425
Radio frequency, Impedance, Bias, Tuning 0412
Rectifiers, Signal converters, Solenoids, Transformers 0428
Resistors, Tunnel junctions, Integrated circuits, Josephson junctions 0451
Resistors, Tunnel junctions, Signal converters, Voltage 0417
Resonators, Lead, Coatings, Polishing, Particle accelerators 0432
Schottky diodes, Tunnel junctions, Current density, Josephson junctions 0416
Shielding, Tunnel junctions, Fabrication, Josephson junctions, Interferometers 0417
Signal converters, Mixers, Josephson junctions 0387

erconductivity, (continued)
ilicon, Schottky diodes, Electrodes, Lithography, Etching 04382
olenoids, Current density, Magnets 04226
olenoids, Current, Dissipation, Stability 04272
olenoids, Current, Voltage, Controllers 05801
olenoids, Fault detection, Circuit breakers, Bias 04206
olenoids, Japan, Cryogenics, Magnets 04264
olenoids, Linear accelerators, Magnets 04131
olenoids, Magnetic fields, Voltage, Nb_3Sn 04209
olenoids, Magnets, Motors, Cryogenics 04263
olenoids, Magnets, Niobium titanide, Cryogenics 04152
olenoids, Niobium, Titanium, Current density, Scattering 04199
olenoids, Tensile strength, Coil winding machines, Magnets 04147
olenoids, Tokamaks, Cryogenics, Helium, Systems design 04269
olenoids, Transmission lines, Performance, Conductors 04257
olenoids, Transmission lines, Soldering 04259
tability, Cryogenics, Magnets 04159
tandards, Frequency, Cryogenics, Oscillators 04058
torage, Josephson junctions, Interferometers, Electronic storage 04094
torage, Power systems, Oscillators, Magnetics 09064
triplines, Connectors, Waveform generators, Josephson junctions 04176
triplines, Magnetic fields, Coupling, Josephson junctions 04119
triplines, Switching, Current voltage, Electrooptics 04096
witches, Energy storage components, Short circuits, Current density, Magnets 03832
ynchronous motors, Magnetic fields, Generators 04292
ynchrotrons, Magnets, Research and development, Energy conservation 04155
Thermal variables measurement, Aluminum, Thermal conductivity, Alloys, Antennae 03556
Thin films, SQUID, Quantum mechanics 04115
Transistors, Switches 04060
Transmission lines, Cryogenics, Electric power generation, Energy conversion 04262
Transmission lines, Cryogenics, Fabrication 04260
Transmission lines, Delay, Filtering, Signal processing, Analog systems 04056
Transmission lines, Insulators, Cryogenics, Materials testing 04261
Transmission lines, Shielding, Testing 04187
Tunnel junctions, Current density, Thermal variables measurement 04161
Tunnel junctions, Integrated circuits, Josephson junctions, Modulation 04235
Tunnel junctions, Josephson junctions, Current density, Current voltage 04098
Tunnel junctions, Microwaves, Mixers 04066
Tunnel junctions, Millimeter waves, Josephson junctions, Fabrication 04224
Tunnel junctions, Oscillation, Microwaves, Current, Josephson junctions 04193
Tunnel junctions, Resonance, Diodes, $Nb\text{-}Nb_2O_5$ 04220
Tunnel junctions, Schottky diodes, Radio frequency, Plasmas, Interfaces 04219
Tunnel junctions, Thin films, Gradiometers, Niobium 01023
Tunneling, Josephson junctions, Noise 04186
Voltage, Oscillators, Microwaves, Josephson junctions 04053
Voltage, Switching, Josephson junctions, Electrical resistivity, Simulation 04150
Waveforms, Modeling, Josephson junctions 04163
Wire processing, Current density, Solenoids, Composite materials 04196
Writing, Interferometers, Josephson junctions, Memory, Nondestructive testing 04063
perconductors,
Alternators, Energy conversion, Magnetic variables control 08136
Alternators, Stiffness, Resonance, Torque measurement 03293
Aluminum, Microstrips, Microwaves, Impedance, Thermal variables measurement 05797
Composite materials, Current voltage, Electric fields, Magnetic fields 04274
Composite materials, Niobium, Titanium, Current density, Heat treatment 04111
Control systems, Current voltage, Compensators 04248
Convolvers, Signal processing, Tunnel junctions, Mixers, Transmission lines 04059
Couplers, Transformers, Signal converters, Inductance 04268
Cryogenics, Magnets, Cables, Fabrication 04183
Cryogenics, Safety, Stability, Computer aided analysis 04139
Current, Solenoids, Velocity 04103
Current, Stability, Transmission lines 04242
Defects, Current voltage, Aluminum, Alloys, Silver 09059
Fabrication, Niobium compounds, Solenoids 04164
Far infrared, Specific heat, Liquid crystals, Phase transitions 05146
Far infrared, Specific heat, Liquid crystals, Vanadium silicide 05048
Films, Spectral analysis, Frequency, Thickness measurement 08427
Filters, Striplines, Signal processing, Microwaves 09055
Frequency, Noise, Josephson junctions, Dissertation 01018
Generators, Microwaves, Temperature, Magnetic fields, Dissertation 07442
Generators, Performance, Circuitry, Design 08342
Generators, Winding, Design, Testing 08343
Geomagnetism, Remote sensing, Gradiometers 04151
Harmonics, Lasers, Photons, Excitons, Electromagnetic waves 04000
Integrated circuits, Electrical resistance, Bridges, Microelectronics 04108
Integrated circuits, Switching, Amplifiers, Transistors, Product development 02617
Interfaces, Thermal variables measurement, Heat transfer, Cryogenics 04130
Josephson junctions, Flux, Voltage, Frequency 01020
Josephson junctions, Microelectronics, Fabrication, Bridges, Dissertation 02613
Junctions, Interferometers, Integrated circuits 04068
Junctions, Logic circuits, Interferometers, Switching 04083
Junctions, Mixers, Current voltage, Frequency, Noise 04169
Junctions, Temperature, Current density, Magnetic variables measurement 02612
Linear accelerators, Cryogenics, Heat transfer, Fabrication 04138
Linear accelerators, Current voltage, Electron beams, Energy conversion 04137
Linear accelerators, Magnetic fields, Current density, Solenoids 04179
Logic circuits, Microprocessors, Fault detection 04276
Magnetic fields, Dissipation, Solenoids, Modulation 04237
Magnetic fields, Phase transitions 07452
Magnetic fields, Solenoids, Magnets 04273
Magnetic fields, Thermal variables measurement, Current 04086
Magnetics, Polarization, Phase transitions, Erbium rhodium boride 05802
Magnets, Cryogenics, Power systems, Performance 07450
Magnets, Cryogenics, Storage rings 04136
Magnets, Fusion, Mirror machines, Vacuum technology 06636
Magnets, Fusion reactors, Copper, Insulators 01082

Superconductors, (continued)
Magnets, Magnetohydrodynamics, Design 04181
Magnets, Solenoids, Cryogenics 04201
Magnets, Solenoids, Design, Plasmas, Fusion 07453
Magnets, Solenoids, Linear accelerators 04212
Magnets, Stability, Cryogenics 04090
Materials planning and control, Cryogenics, Helium, Liquefied gases 04217
Mirror machines, Magnets, Solenoids, Fusion 06637
Niobium, Alloys, Titanium, Tantalum, Cables 04195
Niobium carbon nitride, Chemical vapor deposition, Magnetic fields 04099
Niobium compounds, Current density, Temperature, Transmission lines 04275
Niobium compounds, Current density, Thermal variables measurement 04283
Niobium, Titanium, Magnetic fields, Thermal variables measurement 04213
Rotors, Generators, Winding, Strain, Thermal variables measurement 08364
Scanning electron microscopy, Thermal variables measurement 04107
Short circuits, Solenoids 04141
Signal processing, Analog systems, Materials planning and control 04744
Signal processing, Analog to digital conversion, Integrated circuits 04061
Solenoids, Composite materials, Rectifiers 04293
Solenoids, Linear accelerators, Structural analysis, Stress, Loading 04256
Solenoids, Niobium compounds, Aluminum, Stability, Nb_3Sn 04200
Solenoids, Niobium, Tin, Cryogenics, Stability 04228
Solenoids, Quenching, Thermal variables measurement, Computer aided analysis 04202
Solenoids, Safety, Quenching, Cryogenics 04054
Solenoids, Testing, Magnetic fields, Cryogenics 04198
Stability, Aluminum, Magnetoresistance 04091
Stability, Cooling, Magnets 04246
Stability, Cryogenics, Quenching, Phase transitions 04214
Stability, Solenoids, Transmission lines, Electrical resistance 04210
Storage, Mainframes, Random access memory, Josephson computers 09056
Stress strain relations, Compression testing, Temperature, Magnets, Nb_3Sn 04205
Striplines, Calibration, Current 04133
Structural analysis, Nuclear magnetic resonance, Image processing 03440
Superlattices, Sputtering, X-rays, Diffraction, Spectral analysis 07445
Synchronous machines, Electric power generation, Research and development 04266
Tensile strength, Niobium compounds, Current density 04278
Thin films, Electromagnetic waves, Wave propagation 00024
Thin films, Solenoids, Integrated circuits, Capacitance 04109
Transition metals, Thin films, Temperature, Tunneling, SN 05795
Transmission lines, Cables, Power, Product development 06678
Transmission lines, Cryogenics, Solenoids, Strain 04290
Transmission lines, Tin, Composite materials 04191
Tuning, Wave propagation, Frequency 04052
Tunnel junctions, Receivers, Mixers 01016
Turbogenerators, Manufacturing, Metals, Research and development 07454
Voltage, Oscillation, Inductance, Niobium, Titanium 04160
Wire processing, Magnetic fields, Current density, Flux 04197
Superminicomputers,
Local area networks, Marine technology, Telecommunications, Oceanography 09423
Supersonic flow,
Jets, Fluorescence, Sodium, Signal processing 00901
Magnetohydrodynamics, Shock waves, Pressure 01790
Thermal variables measurement, Turbulence, Lasers, Fluorescence, Thermometry 00909
Surface acoustic waves,
Acoustic variables measurement, Sensors, Fiber optics 04344
Amplifiers, Semiconductors, Numerical analysis 00338
Coupling, Lithium niobate, Silicon dioxide, Transducers 05123
Excitation, Transducers, Glass, Ceramics 05117
Fabrication, Aluminum, Quality control 03532
Filters, Data transmission, Fiber optics 01357
Filters, Design, Transducers, Modeling 05120
Filters, Transducers, Modeling, Lithium niobate 09152
Magnetostatics, Oscillators, Communications, Radar, Signal processing 07204
Nondestructive testing, Semiconductors, Dissertation 09183
Oscillators, Voltage, Radios, Receivers 09322
Piezoelectricity, Computer aided analysis, Charge carriers, Current 02632
Piezoelectricity, Flow of gases, Oscillators, Configurations 01987
Piezoelectricity, Semiconductors, Doping, Gallium arsenide 08475
Recording systems, Transducers 04345
Reflection, Gallium arsenide, Signal processing 01968
Scattering, Discontinuities, Dielectrics, Waveguides 04315
Schottky diodes, Storage, Circuitry, Voltage, Capacitance 09196
Schottky diodes, Varactors, Gallium arsenide, Memory, Correlators 05122
Semiconductors, Doping, Dissertation 02686
Sensors, Ultrasonics, Piezoelectricity, Dissertation 05125
Signal processing, Amplifiers, Phase shifts, Correlators, Memory 08479
Signal processing, Silicon, Memory, Correlators, Dissertation 00337
Silicon dioxide, Lithium niobate, Wave propagation, Transducers 05119
Silicon, Resonators, Lasers, Annealing, Modes 07494
Stylus, Tip shape, Pickup devices, Radiation resistance 03529
Stylus, Transducers 04346
Transducers, Deflectors, Waveguides, Integrated circuits, Acoustooptics 03975
Transducers, Signal processing, Recording systems, Cutterheads 03530
Transducers, Zinc oxide, Thin films, Structural analysis 05698
Trapping, Radiation, Dissertation 01991
Ultrasonics, Wave propagation, Scattering, Spectral analysis 01624
Voltage, Sensors, Polarization, Thermal variables measurement 01986
Wave propagation, Attenuations, Lithium niobate, Dissertation 05118
Wave propagation, Deformation, Stress, Equations of motion 06721
Wave propagation, Quartz, Piezoelectricity, Electrodes 01967
Surface properties,
Absorption, Lasers, Pulse generation, Scattering 00918
Absorption, Scanning electron microscopy, Thermal variables measurement 02518
Admittance, Modeling, Spectral analysis 06780
Aluminum, Contacts, Fretting, Corrosion, Scanning electron microscopy 06878
Aluminum oxide, Electrolytes, Degradation, Batteries 04974

Surface properties, (continued)
- Aluminum, Ultrasonics, Wave propagation ... 08472
- Antennae, Electric fields, Magnetic fields, Dielectrics, Numerical analysis ... 08452
- Arcs, Melting, Erosion, Copper, Electrodes ... 07458
- Backscattering, Cross sectional measurement, Bragg scattering, Optics ... 08654
- Ball bearings, Inspection, Pattern recognition, Computer aided analysis ... 03992
- Bragg scattering, Image processing, Electromagnetic waves, Wave propagation ... 01603
- Breakdown, Diodes, Chemical variables measurement ... 02707
- Breakdown, Vacuum technology, Insulators, Thermoplastics ... 00715
- Charge, Breakdown, Voltage, Pnn-device ... 09180
- Charge density, Electrodeposition, Electrodes, Capacitance ... 00175
- Charge, Silicon, Metal oxide semiconductors, Insulators ... 02472
- Chemical variables control, Fuel cells, Coatings ... 06648
- Chemical variables measurement, Solar energy, Mirrors, Spectroscopy ... 00208
- Chromium dioxide, Ferromagnets, Synthesis, Doping, Video systems ... 05865
- Circuit boards, Radiography, Soldering, Lasers, Quality control ... 04507
- Coatings, Lasers, Optics, Technology, Measurement ... 09033
- Cobalt, Magnetics, Recording systems, Hydrothermal processes ... 05867
- Coding, Eddy current, Distributions, Magnetic fields, Computer aided analysis ... 05066
- Computer aided design, Metal oxide semiconductors, Transistors, Modeling ... 07591
- Conductivity, Electromagnetic waves, Scattering ... 00012
- Connectors, Contacts, Precious metals, Conductivity, Heat treatment ... 02466
- Contact resistance, Organic compounds, Film growth, Printed circuit boards ... 05560
- Corrosion, Degradation, Semiconductor lasers, Light emitting diodes ... 05682
- Cryogenics, Polymers, Steel, Book ... 07446
- Current, Aircraft engineering, Transient response, Modeling ... 03626
- Current voltage, Charge carriers, Metal oxide semiconductors ... 01122
- Dielectrics, Lasers, Irradiation, Defects ... 07536
- Dipole antennae, Current, Electric fields ... 08101
- Discharges, Electrodes, Dielectricity, Epoxy resins ... 01102
- Eddy current, Conductors, Magnetic fields, Tokamaks, Structural analysis ... 06752
- Eddy current, Turbogenerators, Rotors, Reliability, Economics ... 08169
- Electric power generation, Grounding, Resistance, Image processing, Mapping ... 04932
- Electric variables measurement, Hydrocarbon processing, Dispersion ... 05084
- Electrodes, Arcs, Melting, Vacuum technology ... 09074
- Electrolytes, Flashover, Current ... 01782
- Electromagnetic waves, Wave propagation, Polarization, Dispersion ... 03224
- Electromagnetics, Integral equations, Wavelengths ... 08015
- Electron beams, Capacitors, Metal oxide semiconductors ... 00727
- Electronic equipment, Machinery, Design, Performance, Finite element method ... 06525
- Electrostatics, Materials testing, Adhesion, Measurement, Dissertation ... 00001
- Epoxy resins, Thermal insulation, Electronic equipment, Voltage ... 04939
- Erosion, Silver, Composite materials, Refractories, Contacts ... 07237
- Field effect transistors, Epitaxial growth, Selenium, Doping, Gallium arsenide ... 04432
- Fluidics, Thermal variables measurement, Solar collectors ... 03360
- Friction, Semiconductors, Electrical resistivity, Contacts, Aluminum, Silicides ... 03468
- Gases, Sensors, Platinum, Palladium, Service life ... 03552
- Geology, Remote sensing, Thermal variables measurement, Simulation, Modeling ... 02179
- Germanium, Lenses, Image processing, Optics ... 00878
- Helium, Thin films, Ultrasonics, Scattering, Dissertation ... 05116
- Induction machines, Rotation, Radiation ... 08142
- Inspection, Finishing processes, Electrons ... 03965
- Insulators, Arcs, Heat transfer ... 00721
- Insulators, Breakdown, Discharges, Spark gaps ... 01096
- Insulators, Charging, Electric fields ... 02476
- Integral equations, Electromagnetics, Equivalence, Current, Scattering ... 06403
- Integrated circuits, Conductors, Electromigration, Thin films ... 02467
- Interferometry, Televisions, Quality control, Automation ... 08503
- Lasers, Industry, Technology, Heat treatment, Metals ... 04050
- Lasers, Plasmas, Metals, Absorption, Optics ... 05791
- Lasers, Steel, Heat treatment, Hardening ... 09040
- Magnetic tapes, Friction, Materials testing, Polymers, Performance ... 07530
- Magnetic variables measurement, Mathematical models, Mechanical strength ... 06829
- Magnetohydrodynamics, Boundary layers, Stability, Numerical analysis ... 08281
- Mapping, Satellite communications, Mirrors, Scanning, Error ... 07019
- Materials testing, Infrared, Optics, Gas lasers ... 09026
- Materials testing, Solar collectors, Corrosion prevention ... 03363
- Mechanical handling, Robots, Artificial intelligence ... 03587
- Metal oxide semiconductors, Charge carriers, Logic circuits, Interfaces ... 02752
- Metal oxide semiconductors, Electrons, Liquefied gases, Helium ... 01151
- Metals, Interfaces, Semiconductors, Photodecomposition, Dissertation ... 06879
- Metals, Ultrasonics, Wave propagation, Dissertation ... 00021
- Microwaves, Irradiation, Thermography, Dissertation ... 00040
- Molybdenum selenide, Electrodes, Recombination, Solar cells ... 05605
- Motors, Magnetic variables measurement, Probes, Testing, Thermodynamics ... 06527
- Niobium, Defects, Superconductivity, Thermal variables measurement ... 04057
- Numerical analysis, Doping, Transistors, Gallium arsenide ... 01177
- Optical properties, Transparency ... 03223
- Optical variables measurement, Holography, Photoresists, Quartz ... 07439
- Optics, Inspection, Nondestructive testing, Frequency, Transducers ... 05841
- Optics, Lasers, Bearings, Slip, Lubricants ... 09036
- Optics, Oceanography, Spectral analysis, Remote sensing ... 07052
- Particles, Metals, Magnetic tapes, Manufacturing ... 05869
- Pattern recognition, Optics, Probes ... 00866
- Performance, Multiplexing, Resonators ... 01063
- Photoconductors, Detectors, Fiber optics, Communications ... 03921
- Plasmons, Polaritons, Light, Emissions, Tunnel junctions ... 09204
- Pn junctions, Emitters, Diffusion, Recombination, Doping ... 04377
- Polymers, Insulators, Voltage, Short circuits ... 04934
- Position control, Solar cells, Absorption, Solar energy ... 03356
- Potentials, Green's function, Current voltage, Conductors, Dipoles ... 07223
- Recombination, Diffusion, Solar cells ... 02513
- Reflectivity, Coatings, Semiconductor lasers, Noise ... 00947
- Remote sensing, Microwaves, Backscattering ... 03220
- Rubber, Crack propagation, Insulators, Failure ... 04921
- Scandium oxide, Cathodes, Auger electron spectroscopy, Current density, Doping ... 07250

Surface properties, (continued)
- Scattering, Carrier mobility, Field effect transistors ... 027
- Scattering, Electromagnetic waves, Wave propagation ... 016
- Scattering, Wave propagation, Modeling ... 080
- Semiconductors, Potentials, Mathematical models ... 075
- Sensors, Transducers, Robots, Optics, Assembling ... 075
- Silicon, Solar cells, Etching, Ion implantation ... 088
- Silicon, Solar cells, Metallization, P-Si/Ni ... 088
- Soil science, Geophysics, Remote sensing, Image processing ... 036
- Solar cells, Absorption, Reflection ... 008
- Solar cells, Charge carriers, Diffusion, Transport properties ... 072
- Solar cells, Semiconductors, Electrolytes, Interfaces, Dissertation ... 072
- Solar collectors, Glazing, Thermal variables control, Tensile strength ... 049
- Spacecraft, Thermal insulation, Dielectrics, Discharges ... 011
- Surface roughness, Light scattering, Silver, Dissertation ... 080
- Transmission lines, Gas lasers, Spark gaps ... 026
- Tribology, Holography, Optics ... 035
- Tungsten carbide, Corrosion, Phosphoric acid, Catalysts, Dissolution ... 049
- Voltage, Insulators, Current, Discharges ... 007
- Voltage, Solar cells, Visible range, Emitters, Wavelengths ... 008
- Welding, Crack propagation, Transducers, Ultrasonics, Wave propagation ... 084
- Wind turbines, Rotors, Blades, Flow, Boundary layers ... 048

Surface protection,
- Aluminum, Connectors, Corrosion prevention, Abrasion ... 072
- Circuitry, Corrosion resistance, Chemical variables control ... 092
- Corrosion resistance, Metals, Seawater, Additives, Coatings ... 033

Surface roughness,
- Coatings, Lasers, Mirrors ... 074
- Optics, Nondestructive testing, Inspection, Quality control ... 025

Surface texture,
- Computer graphics, Image processing, Raster displays, Pattern recognition ... 037
- Image processing, Optics, Tracking, Erosion, Statistical analysis ... 008
- Image processing, Pattern recognition, Segmentation, Dissertation ... 008
- Lasers, Etching, Refractive indices, Optical storage ... 015
- Vision, Inspection, Automation, Computer graphics, Pattern recognition ... 025

Sweden,
- Production planning, Optimization, Electric power generation ... 033

Switches,
- Amplifiers, Comparators, Voltage, Filters, Signal processing ... 071
- Capacitors, Metal oxide semiconductors, Digital systems, Oscillators ... 072
- Circuit breakers, Protective circuits, Diodes, Safety systems, Semiconductors ... 043
- Circuit breakers, Superconductivity, Current voltage ... 042
- Circuit breakers, Vacuum technology, Surges, Nuclear power plants ... 001
- Communication networks, Computer aided control, Signal processing ... 079
- Connectors, Transients, Electric power generation ... 017
- Contacts, Erosion, Numerical analysis ... 067
- Corona, Lightning, Surge arresters, Transmission lines, Modeling ... 010
- Current density, Voltage, Power supply, Sensitivity ... 049
- Diodes, Filters, Capacitance, Pn junctions ... 026
- Electrooptics, Fabrication, Performance ... 089
- Electrooptics, Ferroelectric crystals, Temperature dependence, Nucleation ... 089
- Electrooptics, Voltage, Gallium arsenide, Cameras ... 039
- Field effect transistors, Metal oxide semiconductors, Ultrasonics, Waveforms ... 065
- Gallium arsenide, Electrooptics, Lasers, Semiconductors ... 025
- Gallium arsenide, Photoconductors, Frequency, Modulation, Electrooptics ... 089
- Glow discharge, Control systems, Lasers, Ions, Photodetachment ... 066
- Ignition, Circuit breakers, Resistors, Voltage ... 065
- Impedance, Resistance, Electric power generation ... 049
- Inductance, Capacitors, Filters, Voltage, Inverters ... 071
- Integrated circuits, Voltage, Control systems, Metal oxide semiconductors ... 087
- Inverters, Power supply, Current voltage, Capacitors ... 066
- Magnetic fields, Current, Voltage, Performance ... 082
- Magnetic fields, Transistors, Frequency ... 067
- Metal oxide semiconductors, Power transistors ... 076
- Modeling, Plasmas, Erosion, Current voltage, Impedance ... 066
- Motors, Modulation, Bandwitchs, Power systems, Inverters ... 048
- Nitrogen sulfur fluoride, Gas lasers, Spark gaps ... 026
- Power, Thyristors, Fiber optics ... 077
- Product development, Vacuum technology, Circuit breakers ... 006
- Radar, IMPATT diodes, Noise, Modulation ... 075
- Relays, Precision engineering ... 091
- Semiconductors, Harmonics, Power systems, Dissertation ... 065
- Semiconductors, Rectifiers, Converters, Voltage ... 038
- Spacecraft, Thermal variables control, Automatic control ... 020
- Thermal variables control, Relays, Economics ... 083
- Thyratrons, Voltage, Amplitude, Circuitry ... 074
- Transistors, Inverters, Amplifiers, Inductors, Capacitors ... 071
- Transistors, Superconductivity ... 040
- Triodes, Current voltage, Space charge, Simulation ... 011
- Velocity, Wave propagation, Modulators, Optics ... 089
- Voltage, Cost benefit analysis, Capacitors, Energy conservation ... 000
- Voltage, Photodiodes, Semiconductors, Control systems ... 024

Switchgear,
- Coal, Electric power generation, Transformers, Reliability, Auxiliary systems ... 001
- Electric power distribution, Voltage, Design, Costs, Reliability ... 082
- Voltage, Design, Safety ... 081

Switching,
- Access, Data communications, Communication networks ... 0461
- Amplifiers, Integrated circuits, Superconductors, Product development ... 0261
- Bipolar devices, Telecommunications, Circuitry, Design, Buses ... 0764
- Bipolar transistors, Amplifiers, Noise ... 054
- Bipolar transistors, Design, Performance ... 0757
- Bipolar transistors, Semiconductors, Bias, Breakdown ... 092
- Breakdown, Voltage, Pressure, Sulfur hexafluoride ... 0826
- Capacitance, Circuitry, Arrays, Analog to digital conversion ... 0885
- Capacitance, Current voltage, Circuit breakers ... 0174

ching, (continued)
pacitors, Analog to digital converters, Voltage, Signal processing 03879
pacitors, Circuitry, Filters, Research and development 08785
pacitors, Circuitry, Waveforms 05485
pacitors, Design, Sensitivity, Filters, Monte Carlo method 07172
apacitors, Filters, Design 07145
apacitors, Filters, Design, Theoretical analysis 07139
apacitors, Filters, Frequency, Design, Pulse code modulation 05450
apacitors, Filters, Gain, Amplifiers 02477
apacitors, Impedance, Filters 07247
apacitors, Integrated circuits, Modulators, Metal oxide semiconductors 09599
apacitors, Integrators, Voltage, Buffers 07180
apacitors, Transmission lines, Dissipation, Optimization, Voltage 01743
apacitors, Voltage, Logic circuits, Simulation 07249
apacitors, Voltage, Numerical analysis 00662
hannels, Signals, Communication networks 09530
ircuitry, Capacitance, Amplifiers, Numerical analysis 00661
ircuitry, Capacitors, Algorithms, Computer aided analysis 00664
ircuitry, Capacitors, Filters, Design, Signal processing 05486
ircuitry, Capacitors, Sensitivity analysis, Computer aided analysis 05571
ircuitry, Signal transmission, Telephones, Echo, Research and development 01464
olor, Conductors, Memory, Electrooptics 00839
ommunication networks, Capacitors, Topology, Matrices, Programming languages 08792
ommunication networks, Capacitors, Topology, Software development 05580
ommunication networks, Channels, Decision making, Pulse code modulation 01460
ommunication networks, Circuitry, Simulation, Modeling, Dissertation 05423
ommunication networks, Compatibility, Multiprocessors, Transmission, S/NET 04633
ommunication networks, Data transmission, Architecture 06215
ommunication networks, Distributed systems, Circuitry, Access, Channels 06400
ommunication networks, Education, Capacitors, Filters, Simulation 02352
ommunication networks, Integrated systems, Data transmission 06205
ommunication networks, Mobile systems, Radar, Electronic equipment 01447
ommunication networks, Polynomials, Interpolation, Fast Fourier transforms 08779
ommunication networks, Protocols, Access, Data transmission 03055
ommunication networks, Telephones, Signal processing 07998
ommunication networks, Telex, Systems design, Standards, Architecture 01414
ommunication networks, Transmission, Modularity, ITT5500 04658
ompaction, Phases, Transmission lines 07475
onnectors, Integrated circuits, Architecture, Bandwidths 09261
ontrollers, Power supply, Transistors 04393
onverters, Electrical conductivity, Power supply, Magnetic variables control 04327
onverters, Integrated circuits, Magnetics 03872
urrent, Polyvinylidene fluoride, Gamma radiation 01914
Data communications, Communication networks, Systems design 06216
Data transmission, Buffers, Speech recognition 09466
Data transmission, Signal processing, Parameter estimation, Fault detection 01570
Data transmission, Telecommunications, Digitizing, Speech synthesis 04647
Data transmission, Telecommunications, Incotel IMX300 06258
Data transmission, Telecommunications, Networks 03049
Dielectrics, Interfaces, Refractive indices, Optics 05890
Dielectrics, Waveguides, Interferometers, Millimeter waves, Integrated circuits 04833
Electric power generation, Stability, Random processes, Probability, Simulation 00152
Electric variables control, Measurement, Voltage, Instrumentation, Design 06588
Electrical connectors, Arc erosion, Testing 02451
Electrical resistivity, Parallel networks, Resistors 07166
Electrooptics, Field effect transistors, Resistors, Photodevices 01201
Electrooptics, Gallium arsenide, Photoconductors 03920
Electrooptics, Semiconductors, Indium phosphide, Dissertation 00837
Fiber optics, Magnetic fields, Refractive indices 04544
Field effect transistors, Amplification, Gallium arsenide, Silicon 02745
Field effect transistors, Amplifiers, Input, Bipolar devices 02431
Field effect transistors, Semiconductors, Schottky diodes, Illumination 02735
Filters, Capacitance, Amplifiers, Noise, Dissertation 05480
Filters, Capacitance, Metal oxide semiconductors, Communication networks 02354
Filters, Capacitors, Integrated circuits, Metal oxide semiconductors 00728
Filters, Capacitors, Simulation, Transformations, Circuitry 08741
Filters, Controllers, Design, Voltage 07141
Filters, Integrated circuits, Capacitors, Performance, Charge transfer 02411
Filters, Loops, Feedback, Stability, Control systems 00402
Frequency, Amplifiers, Capacitors, Filters 07191
Frequency, Ion implantation, Silicon, Field effect transistors, Semiconductors 01199
Frequency, Modulation, Lasers, Refractive indices, Dissertation 06733
Frequency, Oscillation, Injection lasers 07369
Frequency, Tuning, Channels, Semiconductor lasers 07377
Gallium arsenide, Current voltage, Noise, Dissertation 04438
HEMT, MODFET, Gallium arsenide, Aluminum gallium arsenide 04392
nduction machines, Electric variables control 03266
nductors, Logic circuits, Josephson junctions, Injection, Current 04082
njection, Lasers, Frequency, Stability, Temperature 07339
nsulators, Discharges, Voltage, Moisture measurement, Spark gaps 01748
nsulators, Logic circuits, Charge carriers, Service life, Transistors 02733
ntegrated circuits, Ceramics, Packaged components, Modular design 06082
ntegrated circuits, Communication networks, Distributed systems 01446
nterferometers, Logic circuits, Junctions, Superconductors 04083
Josephson junctions, Hysteresis, Tunneling, Voltage 01015
Josephson junctions, Superconductivity, Interferometers, Threshold 04065
Josephson junctions, Voltage, Superconductivity, Electrical resistivity 04150
Liquid crystals, Magnetooptics, Integrated circuits, Garnet, Photography 02554
Local area networks, Data transmission, Speech recognition 07095
Local area networks, Distributed systems, Multiplexing, Remote sensing 01459
Logic circuits, Design, Detection, Functions, Dissertation 02804
Magnetic fields, Electric arcs, Modeling, Prediction 06811
Magnetics, Recording systems, Hysteresis 05874
Microprocessors, Motors, Computer aided control, Metal oxide semiconductors 01686
Modulation, Transducers, Acoustooptics 01078
Modulation, Waveguides, Reflection, Channels, Electrooptics, Dissertation 01061

Switching, (continued)
MOSFET, Silicon, Temperature, Inverters 07605
Motors, Capacitors, Protection, Insulators, Winding 08164
MTOS, Junctions, Bistability, Charge 09232
Networks, Capacitors, Simulation, Functions, Frequency 05493
Networks, Optimization, Dissertation 08794
Networks, Research and development 09441
Networks, Transmission, Performance Monitoring, Intelli-Max 07096
Noise, Tunnel junctions, Signal converters, Superconductivity 04177
Numerical analysis, Transmission lines, Power systems, Networks 00155
Office automation, Local area networks, Transmission lines, Economics 09470
Office automation, Telecommunications, Semiconductors, Microprocessors 06254
Optical communications, Image processing, Signal processing, Electromagnetics 07318
Oscillators, Capacitors, Communications, Signal processing 08817
Phase shift keying, Logic circuits, Fabrication, Field effect transistors 04420
Photodetectors, Field effect transistors, Semiconductors, Schottky diodes 03956
Photovoltaics, Inverters, Harmonics, Voltage, Motors 08874
Piezoelectricity, Stress, Temperature, Quartz, Synthetic crystals 09084
Power systems, Airports, Circuit breakers, Buses, Transmission lines 03637
Power systems, Thyristors, Harmonics, Generators 08174
Power transistors, Amplifiers, Resistors, Parallel circuits 07197
Private branch exchange, Architecture, Communication networks 09456
Private branch exchange, Architecture, Transmission, Speech recognition 07084
Protocols, Converters, Terminals, Printers, Communication networks 08716
Pulse generation, Thyristors, Modulators, Inductance 07211
Pumping, Lasers, Infrared, Power supply 00912
Queueing theory, Communication networks, Buffers, Optimization, Dissertation 03200
Radio waves, Telescopes, Cables, Frequency, Spectral analysis 09321
Recording systems, Magnetic tapes, Chromium dioxide 05873
Ruby lasers, Pulse generation, Resonators, Circuitry 07372
Satellite communications, Antennae, Electronic equipment, Control systems 01398
Satellite communications, Signal processing, Error 03002
Semiconductor lasers, Modulators, Schottky TTL, Integrated circuits 06049
Semiconductor lasers, Resonators, Stability, Numerical analysis 00953
Semiconductor lasers, Stability, Optics, Computer aided analysis 05761
Semiconductors, Electrons, Irradiation 01125
Semiconductors, Field effect transistors, Logic circuits, Beams, Silicon 07588
Semiconductors, Field effect transistors, Logic, Silicon, Simulation 02746
Semiconductors, Integrated circuits, Automatic control, Furnaces 02794
Signal converters, Structural analysis, Metal oxide semiconductors, Transistors 01239
Signal processing, Channels, Sequences, Distributors, Output 03143
Signal processing, Converters, Feedback, Frequency, Dissertation 03403
Signal transmission, Transponders, Satellites 07793
Silicon nitride, Film growth, Tunneling, Metal insulator semiconductors 04387
Snubber circuits, Thyristors, Logic circuits, Dissipation, Inductance 00122
Solar cells, Power systems, Inverters, Harmonics 01776
Speech transmission, Data transmission, Private branch exchange 01445
Stability, Reflectors, Semiconductors, Interferometers, Dissertation 02450
Standby systems, Failure, Distributions, Probability, Reliability 08555
Standby systems, Failure, Reliability, Redundancy, Probability 08554
Standby systems, Redundancy, Maintenance, Laplace transforms, Failure 03619
Standby systems, Redundancy, Modeling, Reliability, Numerical analysis 08541
Striplines, Superconductivity, Current voltage, Microelectronics 04096
Sulfur fluoride, Insulators, Current, Discharges, Corona 00722
Superconductivity, Current density, Tunnel junctions, Josephson junctions 04208
Superconductivity, Noise, Phase transitions, Josephson junctions 04077
Telecommunications, Circuitry, Terminals, Testing, Research and development 06210
Telecommunications, Fiber optics, Reliability, Japan 09415
Telecommunications, Japan, State of the art 09600
Telecommunications, Local area networks, Architecture, Traffic, Performance 07829
Telecommunications, Signal processing, Private branch exchange, Manufacturing 08714
Telecommunications, Systems design, Speech transmission 04606
Telecommunications, Telephones, United States 06264
Telecommunications, Terminals, Microcomputers, Data processing 01430
Telephones, Access, Systems design 09467
Telephones, Frequency, Receivers, Signal processing, Microcomputers 03052
Telephones, Private branch exchange, Speech transmission, PBX 09461
Telephones, Research and development, Algorithms, Routing 04644
Terminals, Communication networks, Queueing theory, Simulation, Performance 07999
Thyristors, Voltage, Pulse generation 06784
Transistors, Breakdown, Voltage, Size measurement 01176
Transistors, Gallium arsenide, Modeling, Structural analysis, Performance 07566
Transistors, Logic circuits, Design, Dissertation 07574
Transistors, Power systems, Snubbers, Bridges 02452
Transmission, Broadcasting, Antennae, Control systems 03210
Transmission lines, Generators, Control systems 06587
Transmission lines, Power systems, Impedance, Pulse generation 09104
Transmission, Traffic, Parameter estimation 09552
Videotex, Modems, Integrated circuits, Capacitance, Personal computers 02915
Vision, Teleconferencing, Signal transmission, Data compression 01461
Voltage, Capacitance, Pulses, Harmonics 04899
Voltage, Circuit breakers, Capacitors 00099
Voltage, Generators, Charge, Circuitry 06774
Voltage, Networks, Protection 08195
Voltage, Power systems 04937
Voltage, Pressure, Current, Disconnectors 06581
Voltage, Transmission lines, Circuit breakers, Systems design 01775
YAG lasers, Electrodes, Dissertation 00925

Switzerland,
Telecommunications, Systems design, Videotex 04563

Symmetry,
Green equations, Electromagnetic fields, Wave propagation 01627

Synchronization,
Audio systems, Recording systems, Quality control 04670
Circuitry, Machinery, Waveforms, Computer programs, Simulation 00064
Coding, Sequences, Error 06375

Synchronization, (continued)
Communication networks, Access, Modulation, Error, Signal to noise ratio 03194
Communication networks, Data transmission, Channels, Control systems 07919
Control systems, Signal processing, Noise, Simulation, Modeling 03128
Data transmission, Noise, Reliability, Token rings 04783
Data transmission, Time measurement, Corrections, Filters, Sensors 05440
Decoding, Signal to noise ratio, Error correcting codes 09582
Demodulation, Networks, Data communications, Systems design 01417
Electric power generation, Microprocessors, Protection, Fault detection 06554
Electrostatics, Printing, Control systems, Ink-jets 08729
Error, Signal processing, Probability, Integrated circuits, Modeling 09593
Finite element method, Simulation, Generators, Loading, Numerical analysis 06546
Frequency, Spread spectrum communications, Mathematical models, Dissertation 03478
Generators, Relays, Grounding, Protection 08262
Graphs, Modeling, Machinery, Electronic equipment, Research and development 00085
Image processing, Medical engineering, Cardiovascular system 03674
Image processing, Receivers, Interference, Error, Algorithms 02073
Inductance, Machinery, Finite element method, Magnetic fields 06508
Integrated circuits, Televisions, Receivers, Automation 02955
Machinery, Perturbation, Modeling, Reduction 04866
Magnetic fields, Rotors, Simulation, Distributions, Integral equations 06516
Microwaves, Communications, Modulation, State of the art 06113
Modems, Circuitry, Data transmission, Shift registers, Signal processing 03053
Modems, Performance, Design, Data transmission, Delay 06266
Motors, Magnetic variables measurement, Simulation, Performance 06524
Networks, Technology, Phase locked loops 06227
Noise, Sequences, Generators, Error correcting codes, Logic 04736
Oscillators, Circuitry 08825
Oscillators, Frequency, Stability, Noise, Phase locking 08818
Packet switching, Communication networks, Speech transmission, Data processing 07846
Permanent magnets, Motors 08168
Pulse generation, Ruby lasers, Plasmas 07213
Radar, Position control, Distance measurement, Aircraft, Measurement errors 03100
Radio communications, Navigation, Frequency, Signal processing 03088
Radios, Mobile systems, Signal transmission, Telecommunications, Interference 01299
Radios, Speech transmission, Satellite communications, Channels, Delay 01415
Satellite communications, Charge coupled devices, Kalman filters, Transforms 02101
Satellite communications, Controllers, Data transmission, Multiple access 06198
Satellite communications, Radio frequency, Signal processing, Channels 02000
Signal processing, Amplifiers, Voltage, Frequency, Integrators 00702
Signal processing, Communication networks, Channels, Coding 03130
Signal processing, Digital systems, Filters, Multiplexing, Circuitry 09550
Signal processing, Spectral analysis, Time measurement, Dissertation 07888
Simulation, Signal transmission, Modulation, Radios, Fading 07683
Spacecraft, Guidance and control systems, Simulation, Sensors, Filters 06281
Speech transmission, Multiplexing, Performance, Traffic, Integrated systems 07924
Spread spectrum communications, Access, History 02887
Structural analysis, Signal processing, Satellite communications, Coding 02886
Telecommunications, Satellite communications, Signal processing, Frequency 01393
Televisions, Image processing, Sound propagation, Channels, Coding 01384
Terminals, Communication networks, Telephones, Controllers, Systems design 01443
Testing, Protocols, Architecture, Specifications 07676
Thyristors, Microprocessors, Signal processing, Logic 01734
Transmission lines, Resonance, Reliability, Newton's method, Numerical analysis 05819
Video systems, Computer aided control, Frequency, Signal transmission 02938

Synchronous machines,
Electric variables control, Short circuits, Simulation 04865
Generators, Simulation, Finite element method 08170
Impedance, Armatures, Coil winding machines, Modeling 06507
Impedance, Frequency, Short circuits, Velocity, Systems analysis 01676
Induction machines, Direct current machines, Electric variables control 03266
Linear synchronous motors, Propulsion, Rapid transit systems, Optimization 01695
Loading, Electric variables control 08156
Motors, Drives, Velocity control 08154
Pumps, Compressors, Drives, Electric power transmission 03278
Rectifiers, Excitation, Fault detection, Current voltage 03261
Stability, Power systems, Damping, Control systems 00077
Superconductors, Electric power generation, Research and development 04266

Synchronous motors,
Current voltage, Capacitance, Resonance, Thyristors, Dissertation 04895
Inverters, Torque measurement, Control systems, Damping 04883
Sensors, Torque, Voltage, Commutation 06540
Stability, Excitation, Alternators 06558
Superconductivity, Magnetic fields, Generators 04292

Synchrotron radiation,
Lithography, Spectroscopy, Resists, Dissociation 00310
Microscopy, Semiconductors, Heterojunctions, Interfaces, Dissertation 02710

Synchrotrons,
Protons, Magnets, Superconductivity, Fabrication 04135
Superconductivity, Magnets, Research and development, Energy conservation 04155

Synthetic aperture radar,
Antennae, Satellite communications, Image processing, Ocean surface 01531
Computed tomography, Mapping, Image processing, Algorithms 06289
Remote sensing, Image processing, Mapping, Resolution 05354

Systems analysis,
Banking, Electronic funds transfer, Dissertation, Point of sale systems 01431
Communication networks, Local area networks, Transmission 07098
Communication networks, Satellite communications, Simulation 07804
Control systems, Adaptive control, Stability 05195
Control systems, Spacecraft, Satellite communications 02893
Control systems, Wiener processes, Poisson processes 02013
Data collection, Satellites, Altimetry, Oceanography 03705
Detectors, Approximations, Nonlinearity 00391
Discrete time systems, Transfer functions, Feedback, Control 05229
Distributed parameter systems, Feedback, Control theory 05228
Dynamical systems, Control systems, Stability 03576

Systems analysis, (continued)
Electric power generation, Performance, Buses 000
Electric power generation, Reliability, Probability, Bibliography 034
Electromagnetic waves, Modeling, Circuitry, Power systems 017
Electronic mail, Transmission 094
Feedback, Control, Guaranteed roll-off 051
Filters, Circuitry, Transfer functions, Networks 023
Flexible manufacturing systems, Production control 023
Image processing, Programming, Software development 057
Linear systems, Control, Precompensator design 052
Local area networks, Data transmission, Delay, Throughput 047
Local area networks, Ethernet 054
Local area networks, Packet switching, Expressnet, Fasnet 046
Man machine interactions, Speech recognition, Dissertation, User satisfaction 014
Modes, Acoustics, Sound synthesis 014
Networks, Synthesis, Graph theory 071
Nonlinear systems, Generalized Fock spaces 031
Optical communications, Information processing, Color, Encoding 073
Performance, Spread spectrum communications, Acquisitions 063
Power systems, Reliability, Electric power generation, Stability 017
Reliability, Petri nets 020
Reliability, Protection, Shut down logic, Failure, Numerical analysis 069
Satellite communications, Transmission 077
Simulation, Flight control systems, Military aircraft 020
Solar energy, Photovoltaics, Performance 001
Stability, Input output, Parameter estimation 049
Stability, Testing, Organization and methods 085
Standby systems, Preventive maintenance, Reliability 020
Systems design, Microprocessors, Speech recognition 046
Technological forecasting, Electric vehicles, Product development 023
Time measurement, Navigation 030
Time varying systems, Parameter estimation, Adaptive control 052
Underwater technology, Acoustic emissions, Search strategies 095
Velocity, Short circuits, Frequency, Impedance, Synchronous machines 016

Systems design,
Air traffic control, Radar, Specifications 036
Aircraft engineering, Flight control systems 036
Aircraft engineering, Weapons, Technology, Integrated systems 036
Alarm systems, Control systems, Military aircraft, Displays 036
Arc furnaces, Conductors 024
Architecture, Artificial intelligence, Computer aided design, IBM 370 060
Artificial intelligence, Linguistics, Speech recognition 062
Audio systems, Analog to digital converters, Music 094
Banking, Videotex, Data processing, Communication networks 093
Broadcasting, Signal processing, Technology, Customer services, Modeling 013
Cable television, Networks, Metro area networks 045
Cables, Hoop antennae, Radio frequency 016
Circuit breakers, Transmission lines, Voltage, Switching 017
Coding, Optical storage, Error correcting codes 015
Communication networks, Air traffic control, Radar 030
Communication networks, Ethernet 044
Communication networks, Graph theory 054
Communication networks, Interfaces, Plug compatibility, Internet 054
Communication networks, Packet switching, Transmission, Routing, MININET 047
Communications, Fiber optics 093
Computer aided control, Delays, Error, Performance, Simulation 0201
Computer aided design, Integrated circuits, Routing 0927
Computer aided manufacturing, Valves, Production control, Robots 051
Computer graphics, Office automation, Productivity, Slide-making systems 006
Control systems, Distributed systems, Manufacturing, Process control 0357
Control systems, Research and development 0201
Controllers, Simulation, Deadbeat controllers 0522
Cost benefit analysis, Photovoltaics, Electric power generation 0176
Data bases, Office automation, Dissertation 0060
Data collection, Engines, Performance, Fuel efficiency, Computer aided analysis 0542
Data communications, Communication networks, Credit Suisse 0944
Data communications, Communication networks, Switching 0621
Data communications, Local area networks, State of the art 0541
Data communications, Networks, Packet switching 0620
Data transmission, Software, Signal processing, Fiber optics 0134
Direction finding systems, Impedance, Antennae 0453
Distributed processing, Networks, Protocols 0540
Electric power generation, Protection, Risk assessment 0014
Electric power generation, Telemetry, Security, Channels 0460
Electrodialysis, Salt, Volume measurement, Desalination 0232
Feedback, Sensitivity, Control systems 0201
Fiber optics, Local area networks, Plug compatibility, Fibernet II 0457
Fiber optics, Networks, Data transmission 0771
Flight control systems, Aircraft, Ballistics, Flight/fire control systems 0045
Flight control systems, Aircraft engineering 0048
Fuel efficiency, Control systems, Adaptive control, Helicopters, Turbines 0207
Fuel technology, Electric power generation, Production planning 0012
Guidance and control systems, Military aircraft, Speech synthesis, Testing 0695
Helium, Cryogenics, Tokamaks, Superconductivity, Solenoids 0426
Hydroelectric power generation, Environmental protection, Dynamics, Performance 0495
Induction motors, Voltage, Energy conservation, Optimization 0169
Integrated circuits, Dies, Manipulators, Packaging, Image processing 0766
Japan, Data processing centers, Distributed systems, Packet switching 0943
Linear accelerators, Radiology, Therapeutic systems 0213
Local area networks, Fiber optics 0957
Local area networks, Fiber optics, RIPS-Net 0934
Local area networks, IBM LAN 0540
Local area networks, Protocols, Interfaces, Software development, Strathnet 0540
Logic circuits, Josephson junctions, Superconductivity, Current density 0407
Man machine interactions, Artificial intelligence, Research and development 0043
Mathematical models, Repair, Failure, Reliability, Inspection 0362

tems design, (continued)
emory, Optical storage, Magnetic storage 00607
icroelectronics, Economics 06015
icroelectronics, Microcomputers, Performance, Reliability 06004
icroprocessors, Speech recognition 04690
icroprogramming, Signal processing, Scheduling, Resource management, Modeling 06321
icrowaves, Ultrahigh frequency, Data communications 01646
ilitary aircraft, Stores management systems, Architecture, Hierarchies 02121
ilitary aircraft, Weapons, Antennae, Electronic equipment, Economics 05287
ilitary engineering, Training, Technology, Speech recognition 01489
issiles, Project engineering, Government programs 00492
obile systems, Data communications, Interfaces, Field instrumentation 06186
otors, Electromagnetic fields, Compressors, Refrigeration, Dissertation 01683
ultiplexing, Optical communications 09353
etworks, Computable ordering, Graph theory 02408
etworks, Computer aided design 00593
etworks, Pole/zero determination 03818
etworks, Protocols, Software development, Nestar Plan 4000 04463
ffice automation, Speech recognition 04651
arallel processing, Vocoders, Channels, Speech transmission 01481
attern recognition, Color, Portability 08639
ersonal computers, Information processing, Technological forecasting 06219
hotovoltaics, Inverters, Capacitors, Voltage, Harmonics 01721
lanning, Utilities, Approximations, Statistical analysis, Sensitivity analysis 00151
rinted circuit boards, Packaged components, Integrated circuits 02790
rocedures, Robots, Control systems 03595
rogramming languages, Logic circuits, Electric vehicles, State machines 02055
ulse code modulation, Manufacturing, Maintenance, Energy consumption 04618
adio communications, Mobile systems 04539
adio communications, Motor vehicles, Signal processing, Noise 07677
eliability, Maintainability, Fault tolerance 06943
etrofitting, Private branch exchange, Telephones 01475
obots, Vision, Image processing 00418
afety systems, Navigation, Ships 04699
atellite communications, Telemetry, Remote sensing, Technological forecasting 04598
atellite communications, Transmission, Filters 04780
ignal processing, Oceanography, Acoustics, Data transmission, Dissertation 06292
ignal processing, Optimization, Simulation 07900
ignal processing, Signal to noise ratio, Image processing, Televisions 02939
oil science, Electric power transmission, Polymers, Cables 02641
peech recognition, Time measurement 06273
peech synthesis, Integrated systems, Simulation, Data communications 07812
peech transmission, Communication networks, Performance 07814
ynchronization, Demodulation, Networks, Data communications 01417
echnological forecasting, Space technology, Satellites, Columbia 02892
echnology, Data transmission, Fiber optics 01360
elecommunications, Data transmission, Speech transmission, Rolm CBX II 04621
elecommunications, Local area networks, Fiber optics 01372
elecommunications, Networks, Signal processing, Unilink signaling converter 03877
elecommunications, Office automation, Universal intra-premises network 09464
elecommunications, Postal requirements 04616
elecommunications, Switching, Speech transmission, Man machine interactions 04606
elecommunications, Videotex, Switzerland 04563
elemetry, Oil wells, Offshore structures, Telecommunications 04586
elephones, Routing, Economics, Decision making 04656
Telephones, Switching, Access 09467
Telephones, Telecommunications, Hungary, Research and development 01456
Transmission, Local area networks, Protocols, Robustness 04785
Turbines, Hydroelectric power generation, Heat exchangers 00081
Vision, Robots, Pattern recognition 00416
Workstations, Office automation, Speech transmission 03051

chometers,
Computer aided control, Microprocessors, Signal processing, Velocity 03535
Fiber optics, Rotating bodies, Velocity 02549
iwan,
Robots, Manufacturing, Productivity, Automation, Economics 02030
ntalum,
Alloys, Niobium, Titanium, Superconductors, Cables 04195
MOSFET, Transistors, Fabrication, Silicon 09229
Thin films, Aluminum, Nitrogen, Doping, Capacitors 03901
Thin films, Silicon carbide, Resistors, Printers, Thermal variables measurement 03893
ntalum pentoxide,
Thin films, Transistors, Silicon, Etching 07608
ntalum silicide,
CMOS, Transistors, Work function, Channels, Very large scale integration 07649
chnetium,
Radioisotopes, Cardiovascular system, Nuclear medicine, Computer applications 02148
Radioisotopes, Nuclear medicine, Molybdenum, Generators 05289
chnical drawing,
Data transmission, Facsimile systems, Offshore structures, Drilling 04611
chnological forecasting,
Aerospace engineering, Space technology, Government policies, Satellites 03634
Agricultural machinery, Tractors, Control systems, Electronic equipment 00626
Artificial intelligence, Mechanical handling, Robots 08519
Artificial intelligence, Mechanical handling, Robots, State of the art 02050
Artificial intelligence, Robots, Research and development 03586
Artificial intelligence, Speech recognition, State of the art 04676
Australia, Energy, Linear programming, MARKAL 06698
Automotive engineering, Computer aided design, Capital investment 00619
Business forecasting, Capital investment, Lasers 00915
Business statistics, Economics, Productivity, Semiconductors, Dissertation 01107
Circuitry, Wire processing, Assembling, Materials testing, Process development 06076
Communication networks, Data communications, Credit Suisse 09446

Technological forecasting, (continued)
Communication networks, Speech transmission, Data transmission, Economics 07826
Communication networks, Switching, Telephones, Signal processing 07998
Communications, Cable television, State of the art 06167
Communications, Lasers, Economics, State of the art 01380
Computer aided control, Electronic equipment, Marine engineering 00706
Control systems, Microprocessors, Process control, Costs, Costs 00389
Control systems, Robots, Product development 03582
Crystal growth, Semiconductors, Thermal variables measurement, Solar cells 02519
Data entry, Speech transmission 05393
Data processing, Telecommunications, Convergence, Standards 06092
Data transmission, Underwater technology, Fiber optics 01371
Electric power distribution, Utilities, Electric vehicles 02345
Electric power generation, Telemetry, Systems design, Security, Channels 04602
Energy conversion, Photovoltaics, Solar cells 08337
Energy sources, Research and development, Photovoltaics 08872
Epitaxial growth, Reactors, Design, Semiconductors 01108
Facsimile systems, Office automation 02989
Facsimile systems, Office automation, Teleconferencing, Electronic mail 03032
Fiber optics, Amplifiers, Semiconductor lasers, Light 07699
Fiber optics, Business statistics, Telecommunications, Satellites 01342
Fiber optics, Communications, Modes, Cost benefit analysis 07764
Fiber optics, Communications, Testing 06155
Fiber optics, Standards, Local area networks, Testing 06151
Fiber optics, Telecommunications, Data transmission, Economics 04566
Gallium arsenide, Integrated circuits, Government policies, Marketing 04365
Gallium arsenide, Integrated circuits, Microwaves 01642
Germany, Telecommunications, Fiber optics 01366
History, Military, Space technology, Communications 09404
Industry, United Kingdom, Welding, Robots 03577
Information processing, Education, Training, Computer aided design 05405
Information retrieval, Computer aided analysis, Military engineering 00497
Instrumentation, Automation, Research and development 03409
Integrated circuits, Millimeter waves, Packaged components 07616
Lasers, Data transmission, Fiber optics, Modulation 01361
Lasers, Flexible manufacturing systems, Sheet metalworking, Cutting tools 02603
Lasers, Research and development, Europe 00913
Launching facilities, Satellites, Europe 02977
Launching facilities, Satellites, Stability 00475
Local area networks, Reliability, Economics, Research and development 08725
Marine engineering, Navigation, Position control, Satellites 04700
Meteorology, Remote sensing, Satellites, Data collection, Oceanography 00564
Microelectronics, Crystal growth, Semiconductors 02685
Microelectronics, Semiconductors, Integrated circuits 02830
Microelectronics, Telecommunications, Networks, Software development 04492
Microwaves, Amplification, Gallium arsenide, MESFET 05964
Military engineering, Aircraft, Research and development, Systems analysis 03655
Motor vehicle suspension, Magnetic variables control, Electric vehicles 00618
Navigation, Capital investment, Position control 03096
Office automation, Data entry, Speech recognition, Research and development 02287
Office automation, Data transmission, Storage, Optics, Decision making 06211
Office automation, Electronic mail, Records management 03758
Office automation, Electronic mail, Telecommunications, Circuitry, Economics 04627
Office automation, Image processing, Economics, Microimaging 03749
Office automation, Personal computers, Printers 03733
Optical storage, Videodiscs, Data processing, Image processing 00898
Organization and methods, Satellites, Business forecasting, Space technology 02988
Personal computers, Information processing, Systems design, Telecommunications 06219
Plant and factory layout, Production planning, Automation 02059
Polysilicon, Solar cells, Crystal structure, Costs 05610
Power systems, Electric power transmission, Satellites 01848
Private branch exchange, Speech transmission, Data transmission 07085
Private branch exchange, Telephones, Speech transmission, Automation, Marketing 01468
Product development, Displays, Video systems 07254
Product development, Government programs, Lasers, France 00939
Product development, Lasers, Weapons 00997
Publishing, Automation, State of the art 05554
Remote sensing, Image processing, Stereoscopics, Satellites 00551
Research and development, Communications, Cable/broadband communications 04520
Research and development, Japan, High-tech market 02461
Robots, Research and development, Government policies, Japan 08570
Satellite communications, Amplifiers, Signal reception, Noise 05518
Satellite communications, Broadcasting, Signal transmission, Marketing 03633
Satellite communications, Frequency 09418
Satellite communications, Modems, Speech transmission, Converters, Channels 07832
Satellite communications, Telemetry, Remote sensing, Systems design, India 04598
Sensors, Guidance and control systems, Training, Missiles 00493
Solar cells, Photovoltaics, Energy conversion, Energy resources 05625
Solar energy, Photovoltaics, Economics 08332
Solar energy, Silicon, Production, Economics 03355
Space technology, Military engineering, Communication networks 06178
Space technology, Telemetry, Satellite communications 06179
Space technology, Transportation, Planning, Economics 08613
Speech recognition, Signal processing 04683
Speech recognition, Signal processing 04684
Standards, Nuclear power plants, Control systems 00192
Submarines, Fiber optics, Reliability 01368
Systems analysis, Electric vehicles, Product development 02344
Systems design, Space technology, Satellites, Columbia 02892
Telecommunications, Customer services, Policy analysis, Decision making 02875
Telecommunications, Distributed processing, Military 08624
Telecommunications, Education, Computer aided instruction 04591
Telecommunications, Fiber optics, Cable television 07782
Telecommunications, Fiber optics, Speech recognition 07729
Telecommunications, Fiber optics, Video systems 01367
Telecommunications, Government policies, Political science 01295

Technological forecasting, (continued)
  Telecommunications, Satellite communications, Space technology 04592
  Telephones, Cables, Underwater technology 01451
  Teletex, Telecommunications, Office automation, Signal transmission 06213
  Transmission, Private automatic branch exchange, State of the art 09465
  United States, Telecommunications, Government regulations, AT&T divestiture 06097
  Video systems, Teletext, Telecommunications, Packet switching 01434
  Videotex, Research and development, Economics 04559
  Videotex, Teletext, Finance, Economics, Marketing 02914
  Wavelengths, Semiconductor lasers, Performance 00965
Technology,
  Aircraft, Displays, Luminescence, Human factors 00824
  Aircraft engineering, Flight control systems, Systems design 00487
  Aircraft engineering, Instrumentation, Software packages 05264
  Aircraft engineering, Microelectronics, State of the art 02113
  Aircraft engineering, Military aircraft, Radar, Antennae 09498
  Aircraft engineering, Navigation, Displays 02103
  Aircraft, Guidance and control systems, Displays, Research and development 05249
  Aircraft, Microcomputers, Electronic equipment, Interference, Frequency 07090
  Artificial intelligence, Assembling, Maintenance, Research and development 05208
  Artificial intelligence, Military, Decision making, C^3I 08623
  Artificial intelligence, Telepresence, Materials testing 05209
  Audio systems, Signal processing, Circuitry, Computer aided analysis 07853
  Audio visual systems, Televisions, Management information systems 01339
  Automotive industry, Research and development, Materials testing 03604
  Broadcasting, Signal processing, Systems design, Customer services, Modeling 01313
  Broadcasting, Televisions, Computer graphics, Color 04577
  Business forecasting, Government regulations, Satellites, Broadcasting 01408
  Cement industry, Drives, Motors 03400
  Cement industry, Loading, Electric power distribution 03402
  Coatings, Surface properties, Lasers, Optics, Measurement 09033
  Communication networks, Management, Resource management, Office automation 01293
  Communication networks, Radios, Paging devices, Frequency, Microprocessors 06116
  Communication networks, Telephones, Integrated systems, Protocols, Standards 04661
  Communications, Access, United States 01288
  Communications, Channels, Data transmission, State of the art 02879
  Communications, Economics, Fiber optics 04522
  Communications, Fiber optics 09346
  Communications, Fiber optics, Specifications 07716
  Communications, Transmission, Teleports 07833
  Computed tomography, Imaging, Radiation dosimetry, Absorption 02122
  Computer aided design, Computer aided manufacturing, Software development 02348
  Computer aided design, Structural analysis, Logic, Simulation 06005
  Computer aided manufacturing, Programmable controllers, State of the art 06938
  Consumer electronics, Televisions, Bandwidths 09397
  Cost benefit analysis, Navigation, Aircraft, Ships 04696
  Data communications, Local area networks, State of the art 05416
  Data transmission, Fiber optics, Systems design 01360
  Design, Fabrication, Field effect transistors, Silicon, Photodetectors 07256
  Design, Integrated circuits, State of the art 02846
  Developing countries, Satellites, Remote sensing 02173
  Displays, Color, Colorimetry 06168
  Distance measurement, State of the art, Computer aided design 09495
  Economics, Electric power generation, Geothermal energy 03376
  Economics, Office automation, Communications, Teleconferencing 04613
  Economics, Speech recognition, Research and development, Hewlett-Packard 07081
  Electric power generation, Computer aided control, Loading, Distributed systems 06684
  Electric power generation, Control systems, Capacitors, Economics 05025
  Electric power generation, Electric power distribution, Telemetry 04600
  Electric power generation, Planning, Mixing, Optimization, Energy 04892
  Electric power generation, Scheduling, Loading, Control systems 04886
  Electric power generation, Utilities, Fuel cells 01850
  Electric vehicles, Research and development, Finance, Planning, Testing 05430
  Electronic equipment, Automotive engineering, State of the art 00625
  Electronic equipment, Reliability, Fault tolerance 05239
  Electronic funds transfer, Banking, Economics 09430
  Electronic mail, Communication networks 09442
  Engineering, Circuitry, Transformers, Education 03821
  Fabrication, Circuitry, Metal oxide semiconductors, CMOS SLIC 06037
  Fabrication, Fiber optics 06139
  Fabrication, Metal oxide semiconductors, Random access memory 05948
  Fiber optics, Cables, Communications, Signal processing 06137
  Fiber optics, Manufacturing, Telecommunications, Research and development 06140
  Fiber optics, Semiconductors, Signal transmission, Channels, Feedback 04547
  Fiber optics, Sensors, Communication networks, Industry 04340
  Fiber optics, Signal transmission, Trunks, Communication networks 02928
  Fiber optics, Telecommunications, Networks 07743
  Fiber optics, Telephones, Transmission lines, North America 02927
  Fiber optics, Thermal variables measurement, Multiplexing, Sensors 03414
  Filtering, Microelectronics, Arithmetic circuits 09287
  Gallium arsenide, Random access memory, Signal processing, Radiation, Design 06016
  Government programs, Military, Navigation, Economics, Position control 03089
  Government regulations, Nuclear power plants, Environmental protection 04983
  Health care, Video systems, Cardiovascular system, Risk assessment 05311
  History, Telecommunications, Japan 06101
  Holography, Quality control, Production, Cameras, Research and development 04034
  Image processing, Eyes, Vision 00859
  Imaging, Detectors, Cherenkov detectors 05153
  Industrial plants, Automation, Robots, Employment 08524
  Industry, Robots, Safety systems, United Kingdom 03579
  Information systems, Office automation 02995
  Integrated circuits, Architecture, Connectors, Bandwidths 09261
  Integrated circuits, Design, Converters, Arrays, Automation 07634
  Integrated circuits, Fabrication, Computer aided design, Masterimage method 02824
  Integrated circuits, Fabrication, State of the art 01251
  Integrated circuits, Signal processing, Processors, Microelectronics 04761
Technology, (continued)
  Integrated circuits, State of the art 076
  Irradiation, Cables, Wire, Radiation, Dosimetry 034
  Japan, Telecommunications, Facsimile systems, Mobile systems 094
  Josephson junctions, Controllers, Optics, Structural analysis, Memory 057
  Lasers, Carbon dioxide, Reliability, Production 057
  Lasers, Electron beams, Machining, Physical properties 057
  Lasers, Industry, Surface properties, Heat treatment, Metals 040
  Lasers, Printers, Electronic mail, Performance, Economics 074
  Local area networks, Fiber optics, Waves, Protocols, Research and development 029
  Local area networks, Management, Data transmission, Flow, Economics 046
  Local area networks, Private branch exchange, Broadband vs. baseband 094
  Local area networks, Simulation, Protocols, Telephones, Packet switching 078
  Logic circuits, Resistors, Design 040
  Machine tools, Robots, Mechanical handling, Computer aided manufacturing 051
  Machinery, Monitoring, Inspection, Organization and methods 055
  Materials testing, Radiation, Dosimetry, Thermal properties, Plastics 036
  Mechanical handling, Machine tools, Retrofitting, Robots, Production 051
  Microelectronics, Fabrication, Printed circuit boards, Routing, Wiring 012
  Microelectronics, Instrumentation, Measurement, State of the art 034
  Microelectronics, Integrated circuits, Packaged components, State of the art 028
  Microelectronics, Very large scale integration, Circuitry, Economics 060
  Micrographics, Image processing, File management, Storage, Displays 025
  Micrographics, Office automation, Records management, Integrated systems 037
  Military aircraft, Displays, Instrumentation, Research and development 069
  Military, Electronic mail, Planning, Testing 060
  Military engineering, Missiles, Sensors, Guidance and control systems 052
  Military engineering, Robots, Management, Research and development 085
  Military engineering, Speech recognition 046
  Military engineering, Training, Systems design, Speech recognition 014
  Military engineering, Weapons, ICBMs 069
  Military engineering, Weapons, State of the art, NATO 086
  Military equipment, Microwave devices, State of the art, Electronic warfare 080
  Military, Resource management, Computer programs, Control systems 021
  Monitoring, Electric power generation, Nuclear reactors 066
  Motors, Velocity control, Energy conservation 065
  Navigation, Radio communications, Microprocessors, Navaids System 4000 094
  Nuclear power plants, Accidents, Environmental protection 049
  Nuclear power plants, Monitoring, Security, Thermodynamics, Reliability 033
  Nuclear power plants, Safety, Utilities, Instrumentation 033
  Nuclear power plants, Storage, Cleaning process, Contamination 049
  Office automation, Systems design, Speech recognition 046
  Office automation, Telecommunications 094
  Office automation, Telecommuting 054
  Office automation, Teleconferencing, Failure 062
  Optics, Microcomputers, Personal computers, Programming, Economics 039
  Output devices, Printers, State of the art 005
  Packaged components, Integrated circuits, Microwave devices, PlanarPak^{TM} 064
  Packaging, Electronic equipment, Composite materials, Thermal variables control 060
  Packet switching, Standards, Communication networks, Software development 030
  Phase locked loops, Networks, Synchronization 062
  Photography, Animation, Broadcasting, Video systems 029
  Plasma etching, Integrated circuits, Fabrication 060
  Position control, Dredgers, State of the art 005
  Power plants, Electric power transmission, Romania 065
  Printers, Economics, Selection, Office automation 087
  Production control, Flexible manufacturing systems 069
  Programmable controllers, Research and development 036
  Programmable controllers, Signal processing, Hybrid systems 036
  Publishing, Automation, Instrumentation, Software development 022
  Radar, Signal processing, Performance, Analog to digital conversion 062
  Radiation, Dosimetry, Polymers, Cables, Insulators 039
  Radiation, Infrared, Detectors, Thermal variables measurement 067
  Radio communications, Mutlipath propagation, Microwave devices, Modulation 061
  Random access memory, Fabrication, Fault tolerance 044
  Relays, Thermostats, Switches, Precision engineering 091
  Research and development, Artificial intelligence, Robots, State of the art 051
  Research and development, Drives, Rolling mills 032
  Research and development, Logic circuits, Optoelectronics 089
  Robots, Industry, Vision, Sensors, Research and development 051
  Robots, Mechanical handling, Hazardous materials handling, Safety 049
  Robots, Planning, Artificial intelligence, Telepresence 052
  Satellite communications, Broadcasting, Televisions, Government regulations 077
  Satellite communications, Electromagnetics, Economics, Research and development 061
  Satellite communications, Frequency, Antennae, Performance 030
  Satellite communications, Radios, Mobile systems, Cellular arrays, Frequency 028
  Satellite communications, Televisions, Transmission, State of the art 094
  Sensors, Fiber optics, Interferometers 039
  Signal processing, Research and development, Problem solving, Radios, Radar 079
  Signal processing, Speech synthesis 094
  Simulation, Aircraft, Training, Microprocessors, Economics 069
  Solar cells, Manufacturing, Economics 072
  Space stations, Ground support systems, Economics, Research and development 069
  Spacecraft, Energy storage components 069
  Spacecraft, Tracking, Satellites, Failure 052
  Standards, Microprocessors, Architecture 037
  Systems design, Aircraft engineering, Weapons, Integrated systems 036
  Systems design, Cable television, Networks, Metro area networks 045
  Telecommunications, Architecture, Access 094
  Telecommunications, China, Research and development 028
  Telecommunications, Communication networks, Integrated systems, Planning 046
  Telecommunications, Consumer electronics, Japan 094
  Telecommunications, Data processing, Signal transmission, Telephones 078
  Telecommunications, Data processing, Worldwide network, Political science 012
  Telecommunications, Government regulations, Economics, Research and development .. 012
  Telecommunications, Information processing, Planning, Research and development 070

nology, (continued)
ecommunications, Information processing, Research and development 03007
ecommunications, Local area networks, Standards 07673
ecommunications, Networks, Cable television, Public institutional networks 04574
ecommunications, Systems design, Postal requirements 04616
econferencing, Electronic mail, MATRIX 03042
ephones, Mobile systems, Radio communications, Cellular radio 09458
lephones, Speech transmission, Data entry, Research and development 03046
lephones, State of the art, Cellular radio telephones 07682
levisions, Compatibility, Resolution, Quality control 07777
ermal variables measurement, Fiber optics, Fluoroptic^{TM} Thermometry 06714
ermometers, Thermal variables measurement 00248
me measurement, Oscillators, Quartz, Stability 05527
ansportation, Railway engineering, Propulsion, State of the art 03769
ited Kingdom, Telemetry, Communication networks, VANS 06192
ry large scale integration, Circuitry, Filters, Structural analysis 06041
ry large scale integration, Circuitry, Semiconductors, Fabrication 07620
deo systems, Education, Consumer electronics 07712
deodisks, Game playing, Computer graphics, Interactive systems 02547
deotex, Office automation, Data bases, Data transmission, Terminals 02924
deotex, Research and development, France 09336
deotext, Telecommunications, Information processing, Systems analysis 02932
elding, Lasers, Quality control, Seals, Manufacturing 04048
nnology transfer,
ommunications, Education, Televisions, Dissertation, Ivory Coast 03773
emote sensing, Geography, Satellite communications, Photography 02197
esource management, Information processing, Remote sensing, Landsat 02183
elecommunications, Data transmission, Capital investment, Asia, Dissertation 02880
elecommunications, Government regulations, Economics, Research and development .. 09431
SSR, Computer crime, Exporting, Hardware, Smuggling 08619
communications,
anking, Data transmission, Fiber optics, Citibank 06147
omedical engineering, Cardiovascular system, Pacemakers 07008
omedical engineering, Pacemakers, Cardiovascular system 07007
polar devices, Circuitry, Switching, Design, Buses 07640
roadcasting, Routing, Transmission lines, Channels, Modeling 06173
roadcasting, Signal processing, Televisions, Antennae, Economics 07787
roadcasting, Time measurement, Signal processing, Standards, ATA 03150
usiness, Private automatic branch exchange, Pentaphone II 04665
usiness statistics, Satellites, Technological forecasting, Fiber optics 01342
ables, Testing, Statistical analysis 04300
anada, Research and development, Technology, Economics, History 06103
hannels, Pulse code modulation, Signals, Dissertation 09551
ircuitry, Terminals, Switching, Testing, Research and development 06210
ommunication networks, Integrated systems, Planning, Economics, Technology 04664
ommunication networks, Modems, Access, Economics, Customer services 02306
omputers, Data processing, Dictionary 02464
onfigurations, Networks, Distributed processing 01439
onsumer electronics, Technology, Japan 09437
ontrol systems, Microwave devices, Radios, Machine machine interactions 06234
ontrol systems, Protection, Fault tolerance 00592
osmic rays, Logic circuits, Error, Integrated circuits 01260
ata bases, Information systems, Research and development 01416
ata collection, Resource management, Economics, Modeling 03692
ata communications, Office automation, Networks, Fiber optics 01340
ata processing, Privacy, Sociology, Problem solving, Management 02881
ata processing, Security, Government agencies, Encryption, Channels 03181
ata processing, Signal transmission, Telephones, Research and development 07827
ata processing, Workstations, Convergence, Standards 06092
ata processing, Worldwide network, Political science, Technology 01294
ata transmission, Economics 09447
ata transmission, Electronic mail, TELEMAIL TM 06220
ata transmission, Networks, Switching 03049
ata transmission, Networks, Testing, Hewlett-Packard 06239
ata transmission, Office automation, Project engineering 01285
ata transmission, Offshore engineering, Fiber optics 09339
ata transmission, Security, Cryptography 03178
ata transmission, Speech transmission, Systems design, Rolm CBX II 04621
ata transmission, Switching, Architecture 06215
ata transmission, Switching, Digitizing, Speech synthesis 04647
ata transmission, Switching, Incotel IMX300 06258
istributed processing, Monitoring, Realtime systems 01436
ducation, Computer aided instruction, Technological forecasting 04591
ducation, Data transmission, Satellite communications 00631
lectronic equipment, Marketing, Economics, Technology 07788
lectronic equipment, Quality control, Capital investment, Finance, Technology 06091
lectronic mail, Computer crime, Encryption, Software packages, Security 09416
lectronic mail, Equipment, Manufacturing, Software development 04628
lectronic mail, Information systems, Flow, Postal service 03015
urope, Technology, Economics, Research and development, History 06104
acsimile systems, Packet switching, Protocols 09462
iber optics, Architecture, Economics 07741
iber optics, Bandwidths, Time measurement 09342
iber optics, Broadcasting, Televisions, Transmission lines 02933
iber optics, Cable television, Local area networks, United Kingdom 07783
iber optics, Cable television, Pacific Telephone and Telegraph 07724
iber optics, Data transmission, Detectors, Multiplexing 09354
iber optics, Data transmission, Economics, State of the art 04566
iber optics, Data transmission, Underwater technology 06142
iber optics, Germany, Technological forecasting 01366
iber optics, Networks, Technology 07743
iber optics, Optimization, Light emitting diodes 07946
iber optics, Reliability, Electric power transmission 07719
iber optics, Research and development, Data transmission 01359
iber optics, Research and development, Japan 02912
iber optics, Speech recognition, State of the art 07729

Telecommunications, (continued)
Fiber optics, Technological forecasting, Video systems 01367
Fiber optics, Technology, Manufacturing, Research and development, Australia 06140
Fiber optics, Transmission lines, Wavelengths, Trunks, Research and development 02929
Fiber optics, Waveguides, Refractive indices, Heterostructure lasers 07758
Financial services, Electronic funds transfer, Security 09445
Frequency, Noise, Signal processing, Interference 01307
Government policies, Japan, Technology 02877
Government policies, Political science, Technological forecasting 01295
Government policies, Standards, Organization and methods 03035
Government regulations, Standards, Navigation, Safety systems 04698
Government regulations, Technology, Economics, Research and development 01292
Government standards, Networks, Management, Research and development 06176
Grounding, Fiber optics, Transmission lines 00094
Hospitals, Emergency medical services, Firefighter services 06106
Human factors, Teleconferencing, Dissertation 06090
Image processing, Information systems, Computer aided control, Kodak 06158
Information processing, Flow, Privacy, Protection, Economics 03026
Information processing, Government policies, Economics 01282
Information processing, Technology, Planning, Research and development, Europe 07082
Interfaces, Control systems, Radios, Telephones 03063
Interfaces, Standards, Local area networks, Packet switching 07818
Ionizing radiation, Materials testing, Electric power generation 00375
Japan, Marine engineering, INMARSAT 09412
Japan, Research and development 01435
Japan, Technology, Economics, Research and development, History 06101
Japan, United States, Sociology, Manufacturing, Government agencies 02878
Lasers, State of the art, Technological forecasting 01380
Legislation, Government regulations, Electronic mail, United Kingdom 03028
Local area networks, Architecture, Traffic, Switching, Performance 07829
Local area networks, Cable television, Fiber optics, Technological forecasting 07782
Local area networks, Data communications, Economics 01469
Local area networks, Distributed systems, Transmission lines, Testing 06248
Local area networks, Fiber optics, Systems design 01372
Local area networks, Private branch exchange, Planning, Economics, Technology 03045
Local area networks, Standards, Technology 07673
Loops, Economics, Performance 02889
Man machine interactions, Terminals, Access, Psychology 06094
Man machine interactions, Terminals, Structural analysis 06212
Management, Military, Research and development 06247
Management, Technology, Resource management, Office automation 01293
Meteorology, Remote sensing, Photography, Radar 03718
Microprocessors, Channels, Antennae, Data transmission, Meteor-burst 06118
Microprocessors, Signal processing 04759
Microprocessors, Signal processing, Texas Instruments TMS 320 04758
Microwave radiation, Radio communications, Fading, Signal processing 01639
Military, Technological forecasting 08624
Mining, Machinery, Pollution control equipment 02999
Mobile systems, Radios, Algorithms, Graphs, Simulation 02899
Networks, Connectors, Ageing, Service life 02468
Networks, Maintenance, Troubleshooting 04659
Networks, Management, State of the art 04521
Networks, Millimeter waves, Reliability 03057
Networks, Research and development, Fiber optics 07737
Networks, Signal transmission, Interference 00698
Networks, Systems design, Signal processing, Unilink signaling converter 03877
Networks, Technology, Cable television, Public institutional networks 04574
Networks, Transmission, Planning, Modeling 09305
Oceanography, Local area networks, Marine technology 09423
Office automation, Business, Management information systems 05394
Office automation, Data transmission, Networks, Data bases 06204
Office automation, Data transmission, Speech transmission, Economics 03059
Office automation, Electronic mail, Data bases, Software development, Economics 06233
Office automation, Electronic mail, Local area networks, Protocols, Interfaces 06231
Office automation, Electronic mail, Technological forecasting, Circuitry 04627
Office automation, Productivity, Electronic mail, Technological forecasting 06230
Office automation, Radios, Image processing, Speech transmission 03043
Office automation, Security, Cryptography 02295
Office automation, Semiconductors, Microprocessors, Switching 06254
Office automation, Technology 09427
Offshore structures, Oil wells, Systems design, Telemetry 04586
Optics, Channels, Interference, Lasers, Performance 05777
Output devices, Magnetic tapes, Interfaces, Image processing 01329
Packet switching, Standards, Protocols, Channels 03061
Packet switching, Teletext, Video systems, Technological forecasting 01434
Pattern recognition, Videotex, Information systems, Research and development 06126
Performance, Interference, Channels 09472
Personal computers, Information processing, Technological forecasting 06219
Personal computers, Workstations, Word processing, Management, Training 04662
Planning, Modeling, Developing countries, Government policies, Dissertation 06096
Power supply, Semiconductors, Control systems, Book 08368
Power systems, Charge carriers, Connectors, Transmission lines 03298
Productivity, Office automation, Electronic mail, Private branch exchange 04655
Radio communications, Signal transmission, India 01284
Radios, Artificial intelligence, Communication networks, Modeling 01296
Radios, Microwave devices, Microprocessors, Maintenance, Control systems 06109
Radios, Mobile systems, Signal transmission, Synchronization, Interference 01299
Radios, Reliability, Mobile systems, Protocols, Dissertation 07678
Reliability, Fiber optics, Submarines, Product development 01369
Repair, Artificial intelligence, Logic, Modems, Integrated systems 01462
Routing, Circuitry, Modules, Traffic, Economics 04619
Satellite communications, Networks, Field effect transistors, Amplifiers 03854
Satellite communications, Space technology, Technological forecasting 04592
Satellite communications, Standards, Traffic, Access, Terminals 06190
Satellite communications, Synchronization, Signal processing, Frequency 01393
Satellites, Apertures, Offset antennae, Reflectors, Radio frequency 01655

Telecommunications, (continued)
- Satellites, Atmospheric conditions, Meteorology, Spectroscopy 02280
- Satellites, Control systems, Aerodynamics, Spacecraft 00476
- Satellites, Meteorology, Data collection, Economics 07059
- Satellites, Radio waves, Aerospace engineering 01404
- Satellites, Ships, Microprocessors, Safety systems 01409
- Security, Cryptography, Standards 03177
- Ships, Cables, Machinery, Construction, Denmark 03016
- Signal processing, Fault detection 09463
- Signal processing, Private branch exchange, Switching, Manufacturing, Standards 08714
- Signal processing, Spectral analysis, Bandwidths 03151
- Signal processing, Speech synthesis, Coding, Image processing 01587
- Signal transmission, Speech transmission, Local area networks 06355
- Signal transmission, Telephones, Networks 06261
- Simulation, Delay, Displays, Computer graphics, Control systems 05237
- Simulation, Radios, Mobile systems, Military engineering, Computer aided design 01298
- Sociology, Economics 01437
- Software, Networks, Economics, Transmission lines 02987
- Solar energy, Lasers, Pumps, Energy conversion, Numerical analysis 04996
- Speech recognition, Insurance industry, GEICO 09459
- Speech transmission, Data transmission, Integrated systems, Local area networks 01432
- Speech transmission, Data transmission, Modeling, Dissertation 01582
- Speech transmission, Local area networks, Loops, Economics, Problem solving 03018
- Speech transmission, Signal reception, Interference, Echo suppressors 04650
- Speech transmission, Telex, Electronic mail, State of the art 01438
- Standards, Economics, Research and development, France 06206
- Standards, Europe 03009
- Switching, Japan, State of the art 09600
- Switching, Telephones, Signal processing, Technological forecasting 07998
- Switching, Terminals, Microcomputers, Data processing, Electronic equipment 01430
- Systems design, Office automation, Universal intra-premises network 09464
- Systems design, Postal requirements 04616
- Systems design, Switching, Speech transmission, Man machine interactions 04606
- Systems design, Videotex, Switzerland 04563
- Technological forecasting, Customer services, Policy analysis, Decision making 02875
- Technological forecasting, Networks, Software development, Microelectronics 04492
- Technology, Access, United States 01288
- Technology, Architecture, Access 09425
- Technology, China, Research and development 02876
- Technology, Information processing, Research and development 03007
- Technology, Mobile systems, Facsimile systems, Japan 09426
- Technology transfer, Data transmission, Capital investment, Asia, Dissertation 02880
- Technology transfer, Government regulations, Economics 09431
- Telecommunications equipment, Service bureaus, Structural analysis 03040
- Telemetry, Helical antennae, Tracking 04703
- Telemetry, Satellites, Spacecraft 00484
- Telephones, Management, Marketing, Service life, Technology 06265
- Telephones, Marine engineering, Satellite communications, Data transmission 00495
- Telephones, Microprocessors, Research and development, Copenhagen 03068
- Telephones, Mobile systems, Signal processing 03066
- Telephones, Radios, Mobile systems, Marketing, Research and development 01441
- Telephones, Systems design, Hungary, Research and development 01456
- Telephones, Technology, Research and development, Absent subscriber system 03067
- Telephones, Telephone call processing, Multiparty facilities, Control systems 03062
- Telephones, Transmission lines, Underwater technology, New Zealand 01463
- Teletex, Facsimile systems, Microcomputers, Word processors 09435
- Teletex, Office automation, Signal transmission, Machine machine interactions 06213
- Televisions, Cables, Economics, Pricing, Modeling 02974
- Televisions, Telephones, Receivers, Transmission, Image processing 09403
- Terminals, Access, Trees, User friendly systems, Research and development 06209
- Terminals, Cathode ray tubes, Displays 06242
- Terminals, Software development, Man machine interactions, Control systems 06208
- Time varying systems, Stability, Circle criterion 01286
- Transborder data flow, Government regulations, IBM, AT&T 07674
- Transborder data flow, Standards, Security, Monitoring 06102
- Transmission lines, Fiber optics, Splicing 01376
- Transmission, Packet switching, Transborder data flow 09468
- Transmission, Switching, Reliability 09415
- Underwater technology, Cables, Detection 04304
- United Kingdom, Networks, Reliability, Insulation displacement 02994
- United Kingdom, Satellites, Space technology, Project engineering 02093
- United States, Business, Management information systems 07835
- United States, Government policies 01287
- United States, Government regulations, Organization and methods, AT&T 07675
- United States, Government regulations, Technological forecasting 06097
- United States, Switching, Telephones, Research and development, History 06264
- Utilities, Customer services, Economics, Modeling, Dissertation 06250
- Videotex, Japan, CAPTAIN, State of the art 09344
- Videotex, Marketing 06127
- Videotex, Protocols, Standards, Publishing, Research and development 06128
- Videotext, Technology, Information processing, Systems analysis 02932
- Voltage, Control systems, Testing, Parallel processing 08265
- Waves, Absorption, Atmospheric conditions, Meteorology 04518
- Wire, Polyethylene, Insulators, Copper, Stability 07244

Teleconferencing,
- Audio systems, Management, Dissertation 09474
- Coding, Signal transmission 07723
- Communication networks, Data processing, Protocols 06244
- Communication networks, Telephones, Computer graphics, Integrated systems 06200
- Communications, Economics 09429
- Communications, Research and development 05392
- Computer aided control, Telephones, Signal transmission 01472
- Electronic mail, Technology, MATRIX 03042
- Office automation, Communications, Economics 04613
- Office automation, Failure, Technology 06236
- Office automation, Productivity, Cost benefit analysis 03034

Teleconferencing, (continued)
- Problem solving, Performance, Psychology, Research and development 061
- Satellite communications, Networks, Education, Government agencies, Alaska 061
- Satellite communications, Packet switching, Speech transmission, Controllers 077
- Satellite communications, Video systems, Data transmission 013
- Technological forecasting, Facsimile systems, Office automation 030
- Telecommunications, Human factors, Dissertation 060
- Video systems, Image processing, Data compression, Displays, Transmission lines 061
- Video systems, Interactive systems, Economics 030
- Video systems, Microprocessors, Workstations, Simulation, Computer graphics 045
- Video systems, Productivity, Research and development 078
- Vision, Image processing, Computer graphics, Interactive systems 061
- Vision, Signal transmission, Data compression, Switching 014

Telemetry,
- Aerospace engineering, Research and development, Communications 045
- Aerospace test facilities, Computer aided control, Realtime systems 045
- Amplifiers, Output, Signal transmission, Channels 006
- Biomedical engineering, Technology 052
- Cables, Unmanned vehicles, Underwater technology 070
- Circuitry, Fabrication, Transducers 074
- Circuitry, Transducers, Biomedical engineering, Performance 069
- Communications, Offshore structures, Marine technology, SONARLINK 094
- Communications, Pulse generation, Signal processing 015
- Control systems, Reservoirs, Water treatment plants, Pumping stations 085
- Data collection, Biology, Wildlife, Ecology 054
- Data collection, Radio communications, Coastal engineering 094
- Data communications, Communication networks, Cost benefit analysis 023
- Data communications, Local area networks, Ethernet 037
- Electric power distribution, Control systems, Microprocessors 046
- Electric power distribution, Microcomputers, Data collection, Microwaves 045
- Electric power distribution, Pulse code modulation, Control systems, Security 033
- Electric power generation, Electric power distribution, Technology 046
- Electric power generation, Systems design, Security, Channels 046
- Electronic mail, Computer graphics, Federal Express 078
- Fans, Rotating bodies, Rotors, Vibration, Compressors, Turbines 045
- Fiber optics, Multiplexing, Underwater technology, Signal transmission 070
- Frequency, Electric power distribution, Automation, Radio communications 045
- Image processing, Meteorology, Satellites, Infrared, Digitizing, Calibration 037
- Instrumentation, Analog to digital conversion, Programming, Architecture 045
- Integrated circuits, Biology, Transducers, Reliability 061
- Japan, Marine engineering, Satellite communications, INMARSAT 094
- Large scale integration, Microprocessors, Instrumentation, Calibration 045
- Local area networks, Data communications, Economics 014
- Man machine interactions, Aerospace medicine, Cumulative distribution 028
- Marine engineering, Capital investment, Business forecasting, Satellites 029
- Marine engineering, Capital investment, Satellites 029
- Marine engineering, Satellites, Business statistics, Launching facilities 014
- Military engineering, Data communications, Satellites 045
- Nuclear energy, Monitoring, Remote sensing, Fiber optics, Prototyping 029
- Pipelines, Oil refining, Leak detection, Microprocessors 045
- Process control, Signal processing, Electric power generation, Safety 046
- Protocols, Specifications, Verification, Decomposition 061
- Pulse code modulation, Microprocessors, Circuitry, Signal processing, Storage 045
- Pulse generation, Interference, Arrays, Cancelers 047
- Satellite communications, Channels, Data transmission, Noise 015
- Satellite communications, Error, Distributions, Instrumentation 013
- Satellite communications, Networks, Data transmission, Education 006
- Satellite communications, Radio communications, Mobile systems, Protocols 0611
- Satellite communications, Remote sensing, Systems design 045
- Satellites, Spacecraft, Telecommunications 004
- Scattering, Jets, Flight control systems, Space stations 004
- Signal to noise ratio, Data collection, Computer graphics 0618
- Solar energy, Space stations, Signal processing, Flight control systems 0048
- Space technology, Satellite communications, Reliability, Uplink coverage 0618
- Space technology, Satellite communications, Technological forecasting 0617
- Spacecraft, Information processing, Time measurement, Atmosphere 0869
- Systems design, Oil wells, Offshore structures, Telecommunications 0458
- Telecommunications, Helical antennae, Tracking 0470
- United Kingdom, Data communications, VANS 0619
- Water supply, Distribution, Control systems, Communications 0459

Telephones,
- Access, Switching, Systems design 0946
- Aluminum, Cables, Connectors, Stress, Plating 0723
- Antennae, Radios, Wave propagation, Signal to noise ratio, Mobile systems 0145
- Automation, Economics, Private branch exchange, Banking, Finance 0304
- Cables, Surface properties, Steel, Corrosion 0784
- Cables, Thermal insulation, Materials testing, Flames, Safety 0945
- Cables, Underwater technology, Technological forecasting 0145
- Circuitry, Fabrication 0625
- Circuitry, Signal processing, Optimization, Power systems 0835
- Circuitry, Signal transmission, Echo, Switching, Research and development 0146
- Communication networks, Echo suppression, Impedance, Circuitry 0784
- Communication networks, Government policies, Japan, Technology 0287
- Communication networks, Integrated systems, Technology, Protocols, Standards 0466
- Communication networks, Management information systems, Diagnostics, Modems 0299
- Communication networks, Mobile systems, Cells, Signal processing 0131
- Communication networks, Packet switching, Loops, Signal processing, Videotex 0466
- Communication networks, Switching, Signal processing, Technological forecasting 0799
- Communications, Radios, Business, Research and development 0932
- Communications, Railway engineering, Radios 0305
- Communications, Transmission lines, Design, Modules 0783
- Customer services, Speech transmission, Quality control, Standards, Hungary 0145
- Data transmission, Satellite communications, Marine engineering 0619
- Displays, Office automation 0625
- Electronic equipment, Private branch exchange, Automation, Economics, Marketing 0146
- Electronic mail, Message switching, Storage, Integrated systems 0306

ephones, (continued)
ectronic mail, Speech recognition, Private branch exchange 04612
quipment, Buying and selling, Economics 03064
ber optics, Transmission, Light emitting diodes, Junctions 09369
ber optics, Transmission lines, Technology, North America 02927
ber optics, Trunks, Transmission lines, Testing, Europe 02926
ber optics, Waveguides, Multiplexing, Data transmission 01471
lters, Acoustics, Waves, Radios, Mobile systems 01457
armonics, Magnetic fields, Transmission lines, Voltage, Interference 01466
ocal area networks, Simulation, Protocols, Technology, Packet switching 07843
anagement, Military, Research and development 06247
icrofilm, Repair, Transmission lines 01474
icroprocessors, Research and development, Copenhagen 03068
obile systems, Frequency, Bandwidths, Signal transmission 01310
obile systems, Radios, Quality control, Research and development 01444
etworks, Connectors, Ageing, Service life 02468
etworks, ITT1290, Maintenance, Automatic testing 04668
etworks, Optics, Communications, Multiplexing 07763
etworks, Signal transmission, Analog versus digital 03058
etworks, Signal transmission, TELEXPHONE-B 06261
etworks, Transmission lines, Channels 07945
ffice automation, Private branch exchange, State of the art 09457
ffice automation, Telecommunications, Semiconductors, Microprocessors 06254
nline systems, Information services, Electronic mail, Videotex 06262
rthogonality, Frequency, Multiplexing, Data communications, Dissertation 06249
ackaged components, Bipolar transistors 06260
acket switching, Test beds, Data communications, Satellites 03069
rinters, Automation, Terminals, Economics 03056
rivate branch exchange, Retrofitting, Systems design 01475
rivate branch exchange, Speech transmission, Automation 01468
uality control, Acoustic variables control, Echo cancelers 07850
ueueing theory, Channels, Ergodicity 09469
adio communications, Data communications, Mobile systems 04527
adio communications, Mobile systems, Channels, Signal processing 04652
adios, Mobile systems, Marketing, Telecommunications, Research and development 01441
adios, Paging systems, Control systems, Software 03063
eceivers, Circuitry, Design, Tone callers 07852
ecording systems, Magnetic tape, Management science 03060
ecursion, Communication networks, Flow, Random variables, Modeling 06253
eliability, Microprocessors, Controllers, Office automation, Economics 06267
outing, Systems design, Economics, Decision making 04656
ignal processing, Modulation, Dissertation 04645
imulation, Networks, Routing, Traffic, Circuit switched networks 06268
oftware development, Simulation, Research and development, Mobile systems 04669
peech recognition, Amplitude, Spectral analysis, Spectrograms 04673
peech recognition, Text processing, Remote access, Data processing 06274
peech synthesis, Customer services, Research and development, Hungary 01452
peech transmission, Data entry, Technology, Research and development 03046
witching, Frequency, Receivers, Signal processing, Microcomputers 03052
witching, Private branch exchange, Speech transmission, PBX 09461
witching, Research and development, Algorithms, Routing 04644
witching, United States, Telecommunications, Research and development, History 06264
ystems design, Telecommunications, Hungary, Research and development 01456
echnology, Mobile systems, Radio communications, Cellular radio 09458
echnology, Research and development, Absent subscriber system 03067
echnology, State of the art, Cellular radio telephones 07682
elecommunications, Data processing, Signal transmission 07827
elecommunications, Marine engineering, Satellite communications 00495
elecommunications, Mobile systems, Signal processing 03066
elecommunications, Technology, Service life, Management, Marketing 06265
elecommunications, Telephone call processing, Multiparty facilities 03062
elecommunications, Transmission lines, Underwater technology, New Zealand 01463
eleconferencing, Communication networks, Computer graphics, Integrated systems 06200
eleconferencing, Computer aided control, Signal transmission 01472
elevisions, Receivers, Transmission, Image processing 09403
erminals, Communication networks, Controllers, Synchronization, Systems design 01443
erminals, Displays, Cathode ray tubes, Research and development 06251
erminals, Personal computers, Workstations, Research and development 02311
raffic, Routing 04646
escopes,
olometers, Thermal variables measurement, Millimeter waves, Helium 00273
ar infrared, Image processing, Temperature, Solar activity 07068
nfrared, Photometry, Satellites, IRAS 07076
enses, Optics 08915
illimeter waves, Annular synthesis, Beam propagation 02910
illimeter waves, Radio astronomy, Antennae, Reflection 01648
ptical systems, Design, Fabrication, Space Shuttle 00879
ptics, Alignment, HEL, Lasers, Design 00810
ptics, Automation, Scanning, Minicomputers, Photography 00377
ptics, Cameras, Testing, Computer programs, Data collection 06954
ptics, Image processing, Optimization 07333
adio frequency, Radio astronomy, Electromagnetic waves 00272
adio waves, Cables, Switching, Frequency, Spectral analysis 09321
adio waves, Emissions, Thermal variables measurement, Mars 08702
adiometers, Infrared, Spectral analysis, Satellites 05040
ensors, Optics, Radiation, Tracking, Automation 05847
etex,
ommunication networks, Protocols, Specifications, Standards 01411
ommunications, Data transmission, Private automatic branch exchange, ITT5300 04629
ata transmission, Office automation, Word processing 06245
ata transmission, Speech transmission, Converters, Modems 07832
acsimile systems, Microcomputers, Word processors 09435
ffice automation, Word processing, Japan 09433
elecommunications, Office automation, Signal transmission 06213
etext,
roadcasting, Protocols, Coding, Computer graphics, Terminals 03036

Teletext, (continued)
Channels, Data transmission, Pulse shapes 01423
Coding, Multiplexing, Broadcasting, Music, Data transmission 02959
Data transmission, Bandwidths, Pulse shape Design 01422
Satellite communications, Microcomputers, Computer graphics 06196
Signal processing, Interference, Attenuation, Filtering, Computer aided control 01421
Signal transmission, Distortion, Delay, Pattern recognition, Simulation 03037
Telecommunications, Packet switching, Video systems, Technological forecasting 01434
Videotex, Finance, Economics, Marketing, Technological forecasting 02914
Videotex, Interactive systems, Technology, Broadcasting, Data transmission 06134
Televisions,
Analog to digital conversion, Signal processing, Integrated circuits, Silicon 02945
Audio systems, Quality control, Signal transmission, Multiplexing 02972
Audio visual systems, Technology, Management information systems 01339
Bandwidths, Technology, Consumer electronics 09397
Broadcasting, Education, Information services, Dissertation, Universities 07781
Broadcasting, Information services 07785
Broadcasting, Satellite communications, Government regulations, Control 07797
Broadcasting, Satellite communications, Signal processing, Receivers 01381
Broadcasting, Technology, Color, Computer graphics 04577
Broadcasting, Telecommunications, Fiber optics, Transmission lines 02933
Cables, Economics, Pricing, Modeling, Dissertation 02974
Cadmium selenide, Spraying, Dark conduction, Hail effect, Photoelectric effect 07334
Cameras, Color, Signal processing, Frequency, Research and development 02971
Cameras, Image processing, Pyroelectricity, Lasers 07314
Cathode ray tubes, Color, Lenses, Computer aided design, Electrodes 02954
Cathode ray tubes, Electron beams, Focusing, Color 02483
Circuitry, Color, Receivers, Phase locked loops, Computer aided control 02949
Circuitry, Receivers, Transformers, Current voltage, Power consumption 09395
Closed circuit television, Data transmission, Speech transmission 02967
Coding, Color, Signal processing, Error correcting codes, Automation 01566
Coding, Signal processing, Color, Broadcasting, Quality control 07779
Coding, Signal processing, Integrated circuits, Filters, Modulation 02946
Coding, Signal transmission, Quality control, Filtering, Integrated circuits 02965
Color, Cameras, Frequency, Quality control, Integrated circuits 02951
Color, Displays, Quality control 01390
Color, Signal transmission, Error, Differential phase 04578
Color, Standards, Ships 07774
Color, Technology, Colorimetry 06168
Communications, Education, Dissertation, Ivory Coast 03773
Compatibility, Resolution, Quality control, High definition television 07777
Computer aided control, Welding, Guidance and control systems 00388
Computer graphics, Displays, Receivers, Image processing, Minicomputers 07087
Data transmission, Signals, Channels 01387
Displays, Color, Filters, Prisms 04575
Displays, Gases, Cathode ray tubes, Circuitry, Color 08899
Displays, Quality control, Fixed versus variable letter width 01389
Electromagnetics, Wind turbines, Generators, Signal transmission, Interference 06165
Electronic equipment, Buses, Standards, Automation, Local area networks 02948
Filters, Frequency measurement, Computer aided control 00301
Filters, Memory, Signal processing, Interference, Circuitry 02953
Focusing, Masks, Image processing 03907
Frequency, Access, Channels, Speech transmission, Communication networks 06166
Frequency, Dividers, Ferrite toroids 04573
Frequency, Modulation, Signal transmission, Satellites 06172
Image processing, Filtering, Arrays, Circuitry, Stability 07288
Image processing, Filters, Integrated circuits, Modeling, Ghost canceller 01391
Image processing, Focusing, Entropy, Histograms 07293
Image processing, Picture tubes, Three dimensionality, Optics 02969
Image processing, Signal to noise ratio, Signal processing, Systems design 02939
Image processing, Sound propagation, Channels, Synchronization, Coding 01384
Image processing, Storage, Pulse code modulation, Quantization, Error 01599
Image processing, Storage, Remote sensing, Data compression, Dissertation 06372
Image processing, X-rays 06743
Inspection, Machine tools, Computer aided control 08278
Integrated circuits, Memory, Voltage, Pulse code modulation, Receivers 02962
Integrated circuits, Receivers, Automation, Synchronization 02955
Integrated circuits, Voltage, Research and development 02963
Interference, Signal processing, Modeling, Data bases, Channels 01392
Library science, Satellite communications, Broadcasting, Technology 09408
Mathematical models, Interference, Receivers, Mobile systems 01383
Microprocessors, Image processing, Security, Cameras, Interactive systems 03565
Nigeria, Broadcasting, Research and development, Disssertation 09402
Optics, Gauges, Measurement, Remote sensing, Strain 01382
Pulse code modulation, Silicon, Structural analysis, Modeling 09400
Quality control, Automation, Surface properties, Interferometry 08503
Quality control, Filtering, Failure, Integrated circuits, Signal processing 02947
Quantization, Pulse code modulation, Testing, Signal processing 03175
Radios, Signal transmission, Optimization, Computer aided control 01289
Receivers, Antennae, Voltage, Interference, Impedance 08094
Receivers, Interference, Broadcasting, Automation, Filtering 02964
Receivers, Memory, Metal oxide semiconductors, Research and development 02957
Receivers, Memory, Signal processing, Control systems, Research and development 02956
Robots, Artificial intelligence, Image processing, Data transmission 00430
Satellite communications, Broadcasting, Channels, Government regulations 06188
Satellite communications, Broadcasting, Frequency, Modulation 02976
Satellite communications, Broadcasting, Government regulations, Technology 07798
Satellite communications, Broadcasting, Signal processing, Antennae, Economics 07787
Satellite communications, Customer services, Earth stations 01388
Satellites, Broadcasting, Planning, Modeling, Research and development 06171
Signal processing, Arrays, Converters, Scanning 02966
Signal processing, Color, Integrated circuits, Filtering, Coding 02958
Signal processing, Memory, Delay, Coding, Descrambling 06164
Signal processing, Microprocessors, Field memory, Receivers, Buses 02944
Signal processing, Scanning, Quality control, Interference, Displays 02952
Signal processing, Transmission, Receivers, Multiplexing, Time compression 02970

Televisions, (continued)
- Signal reception, Satellites, Antennae 09399
- Signal to noise ratio, Acoustics, Filters, Scanning electron microscopy 03513
- Signal to noise ratio, Channels, Filtering 02950
- Signal transmission, Coding, Channels, Transforms, Bandwidth compression 07957
- Signal transmission, Distortion, Filters 06163
- Signal transmission, Fiber optics 09349
- Signal transmission, Frequency measurement 06169
- Signal transmission, Multiplexing, Satellites, Transponders 02941
- Signal transmission, Quality control, Interlaced scanning 01385
- Signals, Coding, Demodulation 09398
- Signals, Coding, Pulse code modulation 09587
- Signals, Coding, Quantization, Analog to digital conversion 01386
- Spacecraft, Mapping, Image processing, Topography 02200
- Telephones, Receivers, Transmission, Image processing 09403
- Time sharing systems, Broadcasting 09401
- Transformers, Receivers, Coil winding machines, Magnetics 04349
- Transmission lines, Interference, Signal to noise ratio, Quality control 01036
- Transmission, Satellite communications, State of the art 09405
- Tuning, Integrated circuits, Frequency, Channels, Signal transmission 02973
- Underwater technology, Sonar, Color 07880
- Video systems, Marketing, Commerce 05558
- Videotex, Alphanumerics, Information systems, Displays, Dissertation 01379
- X-rays, Interfaces, Performance, Standards 07780
- Yoke design, Optics, Picture tubes, Displays, Color 02484

Telex,
- Communication networks, Switching, Systems design, Standards, Architecture 01414
- Electronic mail, Speech transmission, Telecommunications, State of the art 01438

Tellurium,
- Cadmium sulfide, Thin films, Diodes, Fabrication, Current voltage 05912
- Protection, Oxidation, Polymer, Coatings 01514
- Thin films, Charge coupled devices, Design 01258
- Thin films, Optical storage, Materials testing 01509
- Thin films, Optical storage, Sensitivity, Stability 01510

Tellurium dioxide,
- Electrooptics, Refractive indices, Bonds, Stress, Strain 02550

Temperature,
- Current voltage, Tunnel junctions, Cryogenics, Electrical resistance 02614
- Junctions, Superconductors, Current density, Magnetic variables measurement 02612
- Logic circuits, Metal oxide semiconductors, Fabrication, Silicon 02756

Tensile strength,
- Aluminum, Acoustics, Compression testing 01970
- Elasticity, Wave propagation, Acoustic emissions, Ceramics 01984
- Engines, Thermodynamics, Deformation, Loading, Strain 08392
- Fiber optics, Design, Performance 01326
- Polymers, Thermal insulation, Rotating bodies, Fatigue, Machinery 04863
- Solar collectors, Glazing, Surface properties, Polyacrylonitrile polymers 04994
- Superconductivity, Solenoids, Coil winding machines, Magnets 04147
- Superconductors, Niobium compounds, Current density 04278
- Underwater technology, Cables, Fiber optics, Velocity, Vibration 02930

Tensile testing,
- Fiber optics, Polarization, Stress, Finite element method 09380
- Fiber optics, Polarization, Stress, Finite element method 09381

Terbium ferrite,
- Thin films, Optical storage, Materials testing, Erasability 01513

Terminals,
- Algorithms, Dynamic programming, NP completeness, Integrated circuits, Channels 02796
- Broadcasting, Teletext, Protocols, Coding, Computer graphics 03036
- Cathode ray tubes, Displays, Telecommunications 06242
- Circuitry, Modeling, Resistors, Controllers 07160
- Communication networks, Resource management, Data collection, Logic 06241
- Communication networks, Switching, Queueing theory, Simulation, Performance 07999
- Communication networks, Telephones, Controllers, Synchronization 01443
- Communication networks, Time sharing systems, Queueing theory, Batch processing 06183
- Communication networks, Transmission lines, Access, Workstations, Allocation 08715
- Computer graphics, Interactive systems, Displays, Control systems, Oscillation 02305
- Cost benefit analysis, Data transmission, Electronic mail 06202
- Data communications, Artificial intelligence, Software development 06217
- Displays, Alphanumerics, State of the art 02289
- Displays, Ergonomics, Liquid crystals, Military engineering, Cathode ray tubes 08891
- Displays, Personal computers, Ergonomics, Touch sensitive screens 03752
- Distributed systems, Communication networks, Signal transmission, Traffic 06119
- Electric power transmission, Loading, Flow, Algorithms, Dissertation 08232
- Eyes, Ergonomics, Vision, Displays 00587
- Integrated systems, Communication networks, Channels, Office automation 01425
- Integrated systems, Communications, Office automation, Organization and methods 06095
- Local area networks, Buses, Access, Interfaces 00613
- Mathematical models, Transmission lines, Circuitry, Fault detection 09085
- Modules, Machine machine interactions, Plug compatibility, Circuitry 06889
- Nonlinearity, Circuitry, Dynamics, Spaces, Controllers 02402
- Office automation, Communication networks, Portability 02315
- Packet switching, Radios, Communication networks, Signal transmission 07684
- Plug compatibility, Local area networks, Controllers, Multiprocessing, Memory 02304
- Printers, Telephones, Automation, Economics 03056
- Protocols, Converters, Printers, Switching, Communication networks 08716
- Satellite communications, Research and development, Mobile systems, Access 04596
- Stability, Frequency, Processors, Filtering, Instrumentation 03736
- Telecommunications, Access, Trees, User friendly systems 06209
- Telecommunications, Circuitry, Switching, Testing, Research and development 06210
- Telecommunications, Man machine interactions, Access, Psychology 06094
- Telecommunications, Man machine interactions, Structural analysis 06212
- Telecommunications, Satellite communications, Standards, Traffic, Access 06190
- Telecommunications, Software development, Man machine interactions 06208
- Telecommunications, Switching, Microcomputers, Data processing 01430
- Telephones, Displays, Cathode ray tubes, Research and development 06251
- Telephones, Personal computers, Workstations, Research and development 02311

Terminals, (continued)
- Transportation, Management information systems, Communication networks 030
- Typesetting, Systems design, Floppy disks, Electronic equipment 023
- Videotex, Interactive systems, Communication networks, Microcomputers 013
- Videotex, Office automation, Data bases, Data transmission, Technology 029

Testing,
- Aircraft engineering, Guidance and control systems, Trajectory, Propulsion 052
- Aircraft, Production, Guidance and control systems 085
- Amplitude, Frequency, Modulation, Radio communications 093
- Antennae, Communications, Design 081
- Automation, Integrated circuits, Interfaces 092
- Circuit breakers, Voltage, Injection 082
- Circuitry, Fault detection, Voltage, Multiprocessors, Signal processing 065
- Circuitry, Military, Microelectronics, Fault detection 076
- Circuitry, Verification, Error, Logic, Arrays 076
- Computer aided manufacturing, Equipment, Automation, Circuitry 060
- Consumer electronics, Game playing, Covariance, Statistical analysis 054
- Control systems, Converters, Microcomputers, Optimization, Noise 038
- Counters, Arithmetic circuits, Reliability 060
- Current voltage, Transmission lines, Fault detection 026
- Data transmission, Telecommunications, Networks, Hewlett-Packard 062
- Design, Nickel, Cadmium, Batteries, Energy storage components 066
- Eddy current, Numerical analysis, Conductors, Integrodifferential equations 067
- Electric power generation, Performance, Controllers, Computer aided control 048
- Electric power generation, Voltage, Instrumentation, Radiation, Simulation 082
- Electric power generation, Voltage, Measurement, Loading 050
- Electric power transmission, Microwaves, UHV, EHV 082
- Electric vehicles, Technology, Research and development, Finance, Planning 054
- Electromagnets, Magnetics, Hysteresis 010
- Electronic equipment, Machinery, Simulation, Modeling, Stability 065
- Fabrication, Thermal variables measurement, Zinc oxide, Surge arresters 082
- Fault detection, Circuitry, Algorithms, Effect-cause analysis 055
- Fault detection, Communication networks, Counters 092
- Fault detection, Simulation, Combinational circuits, Integrated circuits 060
- Fault tolerance, Power systems, Stability, Turbines, Generators 082
- Fault tolerance, Reliability, Circuitry, Generators, Computer programs 055
- Fiber optics, Accelerometers, Fabrication, Transducers 077
- Fiber optics, Communications, Technological forecasting 061
- Fiber optics, Mechanical strength, Fabrication 093
- Fiber optics, Receivers, Signal processing, Design 061
- Fiber optics, Standards, Local area networks, Technological forecasting 061
- Filters, Circuitry, Insertion loss 071
- Filters, Fault detection, Verification, Limit cycles 038
- Filters, Recursibility, Linear programming 087
- Finite element method, Eddy current, Electromagnetics, Distributions 067
- Gallium aluminum arsenide, Semiconductor lasers, Service life 009
- Germanium, Photodiodes, Optical communications 072
- Guidance and control systems, Military aircraft, Speech synthesis 069
- Guidance and control systems, Sensors, Performance, Design, Spacecraft 052
- Hazardous materials handling, Robots, Pharmaceutical industry, Quality control 085
- Image processing, Cameras, Performance 061
- Integrated circuits, Identification, Fault detection, Redundancy, Dissertation 060
- Integrated circuits, Metal oxide semiconductors, Field effect transistors 012
- Integrated circuits, Microelectronics, Defects 060
- Interferometers, Performance, Computer aided analysis, Heuristics 073
- Jet engines, Computer aided analysis 004
- Linear systems, Discrete time systems, Stability 036
- Mapping, Spectral analysis, Scanning, Information processing 053
- Metal oxide semiconductors, Field effect transistors, Thermodynamics 092
- Metering, Instrumentation, Microelectronics 034
- Microcomputers, Debugging, Bus-board systems 054
- Military aircraft, Speech recognition, Man machine interactions, Modeling 046
- Military equipment, Microelectronics, Fault detection, State of the art 076
- Motors, Magnetic variables measurement, Surface properties, Probes 065
- Motors, Rotors, Conductors, Metals, Numerical analysis 072
- Networks, Fault detection, Topology 071
- Networks, Signal processing, Control systems 071
- Neurophysiology, Networks, Performance 053
- Optics, Cameras, Telescopes, Computer programs, Data collection 069
- Piezoelectricity, Transducers, Circuitry, Voltage, Dissertation 091
- Power systems, State estimators, Modeling 049
- Protocols, Architecture, Synchronization, Specifications 076
- Protocols, Communication networks, High level languages, Programming 055
- Quantization, Pulse code modulation, Signal processing, Televisions 031
- Radar, Signal processing, Marine engineering, Displays, Meteorology 078
- Radiography, Integrated circuits, Microprocessors, Intel 8085 059
- Reliability, Power systems, Convergence 082
- Reluctance machines, Research and development, Frequency, Velocity, Performance 065
- Robots, Computer aided control, Precision engineering, Measurement 069
- Semiconductors, Quality control 026
- Semiconductors, Reliability, Thermal variables control, Failure, Ageing 052
- Signal detection, Truncation 079
- Signal processing, Pattern recognition, Frequency, Modulation, Algorithms 015
- Specifications, Military aircraft, Landing gear 020
- Standards, Capacitance, Circuit breakers, Voltage 001
- Superconductors, Generators, Design, Winding 083
- Switching, Electrical connectors, Arc erosion 024
- Telecommunications, Cables, Statistical analysis 043
- Transmission lines, Noise, Atmospheric conditions 091
- Troubleshooting, Electronic equipment, Audio systems, Video systems 0381
- Turbines, Generators, Cooling systems, Voltage 081
- Ultrasonics, Data processing, Inspection, Automation 051
- Voltage, Control systems, Telecommunications, Parallel processing 082
- Voltage, Thin films, Capacitors, Service life 024

Text editing,
- Communication networks, Office automation, Speech synthesis 0781

editing, (continued)
esetting, Microprocessors, Disks, Computer programs, Economics 02303
e industry,
mputer graphics, Computer aided design, Image processing 08653
nters, Fibers, Electrostatics 01729
bots, Vision, Economics 00409
lum halides,
otons, Absorption, Lasers, Acoustooptics, Spectroscopy 02555
retical analysis,
tical properties, Lasers, Stress, Thermal variables measurement 05752
rmal conductivity,
uminum, Alloys, Superconductivity, Antennae 03556
ergy storage components, Solar collectors, Product development 00217
w, Anemometers, Sensors, Heat transfer, Silicon 06866
idics, Solar collectors, Optimization 01823
at transfer, Flow, Thermal variables measurement 05034
asurement, Transducers, Probes 05848
diative transfer, Heat transfer, Solar collectors, Energy storage components 00205
miconductor lasers, Thermal variables measurement, Recombination 04020
lids, Pressure, Infrared, Spectral analysis, Refractive indices 05050
eam, Fabrication, Cables, Dielectrics 01752
ermal insulation, Flux, Standards, Thermal variables measurement 03890
in films, Bolometers, Infrared, Detectors 05051
in films, Integrated circuits, Lasers, Numerical analysis 02589
rmal expansion,
latometers, Modulation, Interferometry, Recording systems 08380
strumentation, Measurement, Precision engineering, Dilatometers 00251
uartz, Frequency, Elasticity, Stiffness, Thermoelasticity 08393
eals, Packaged components, Microelectronics 01274
rmal insulation,
geing, Stress, Coil winding machines, Electric variables control 00718
utomatic control, Wire processing, Electric power apparatus, Reliability 00719
ables, Electric variables measurement, Stress, Polymers, Materials testing 04919
urrent, Plasmas, Spacecraft, Solar energy, Dissertation 02495
omestic appliances, Electric appliances, Plastics, Composite materials 02459
lectric power transmission, Cables, Water, Polymers, Service life 04917
lectric variables control, Cables, Spacecraft, Pressure, Materials testing 06564
lectronic equipment, Protection, Combustion 03892
poxy resins, Composite materials, Voltage, Discharges 00717
poxy resins, Electronic equipment, Surface properties, Voltage 04939
lux, Standards, Thermal conductivity, Thermal variables measurement 03890
eat transfer, Cables, Loading, Electric power apparatus 00136
duction motors, Electric variables control 08146
nduction motors, Pumps, Oil wells, Cables, Electric variables measurement 05070
laintenance, Inspection, Wear, Transmission lines 00091
etrochemical industry, Corrosion resistance, Electric variables control 05550
olymers, Electric variables measurement, Flames, Ceramics, Circuitry 06563
olymers, Tensile strength, Rotating bodies, Fatigue, Machinery 04863
roduct development, Thermal conductivity, Energy storage components 00217
Robots, Cost benefit analysis, Coatings, Zirconium oxide, Turbofan engines 00427
Solenoids, Shielding, Iron, Magnets 04182
Solenoids, Shielding, Iron, Magnets 04182
Space technology, Wire processing, Coatings, Mechanical strength 05548
Spacecraft, Surface properties, Dielectrics, Discharges 01103
State of the art, Vacuum technology, Energy storage components 01816
Thermometers, Sensors, Performance, Research and development 03417
ermal variables control,
Adhesives, Composite materials, Printed circuit boards, Integrated circuits 02866
Boilers, Power plants, Microprocessors 08242
Bolometers, Far infrared, Detectors, Antennae, Bismuth 09065
Cables, Electric power transmission, Paper industry 06576
Cables, Electric power transmission, Paper industry 06576
Calorimetry, Electromagnetic waves, Power, Measurement 06776
Carrier waves, Tuning, IMPATT diodes, Packaged components 01128
Circuitry, Packaging, Ceramics, Composite materials, Reliability 06075
Circuitry, Stability, Capacitors 05925
Combustion, Noise levels, Hydrogen, Fuel technology 05102
Crop processing and storage, Remote sensing, Microwaves 03240
Current, Stability, Magnets, Nuclear magnetic resonance 01957
Dielectrics, Corrosion resistance, Printed circuit boards, Thin films, Alloys 04361
Electric fields, Atomic structure, Combustion, Absorption, Dissertation 00305
Electric power generation, Scheduling, Planning, Heuristics, KAPILA model 00240
Electromagnetics, Mathematical models, Wire, Circuitry, Numerical analysis 06401
Electronic properties, Phase transitions, Potassium, Superconductivity 01013
Electroplating, Films, Alloys, Acids, Optimization 03326
Energy conversion, Cooling systems, Thermoelectric coolers 05812
Energy conversion, Electric power generation, Pipelines, Underwater technology 01840
Energy conversion, Solar collectors 04993
Fabrication, Amplifiers, Digital to analog converters 03848
Fabrication, Integrated circuits, Fault tolerance 04756
Generators, Hydroelectric power generation, Stability 00082
Heat exchangers, Fluid dynamics, Energy conversion, Oceanography 00227
Image processing, Printing, Pattern recognition, Matrices 02541
Infrared, Sensors, Pressure measurement 03451
Insulators, Finite difference method, Computer aided analysis 07243
Lasers, Excitation, Fluorescence 00904
Linear accelerators, Superconductivity, Magnets, Transmission lines 04156
Machine tools, Flexible manufacturing systems, Lasers 00993
Magnetic variables control, Recording systems, Materials testing, Measurement 07515
Metal oxides, Pollutant detection, Electric power generation, Surge arresters 03377
Microprocessors, Thermometers, Control systems 00250
Microscopy, Cryogenics, Polarization, Reflectivity 00246
Microwaves, Meteorology, Atmospheric conditions, Remote sensing 02180
Motors, Controllers, Frequency, Voltage, Modeling 00075
Neutrons, Converters, Calibration, Nuclear reactors, Research and development 06728
Oil, Sampling methods, Instrumentation, Dielectric properties, Frequency 04357

Thermal variables control, (continued)
Optical storage, Magnetic variables control, Thin films, Cameras, Metals 08925
Packaging, Electronic equipment, Composite materials, Technology 06072
Photovoltaics, Modules, Design 06980
Power plants, Control systems, Automation, Mathematical models, Loading 01768
Printers, Color, Ink, Spectral analysis, Quality control 08946
Radiology, Cancer, Medical electronics 00529
Scanners, Calibration, Failure 05688
Semiconductor lasers, Peltier effect 04021
Semiconductors, Reliability, Failure, Ageing, Testing 05241
Solar collectors, Coatings 03362
Solar collectors, Surface properties, Glazing, Tensile strength 04994
Solar collectors, Transient characteristics 01836
Solar energy, Optimal control 04998
Spacecraft, Containers, Nitrogen, Aerospace industry 08606
Spacecraft, Cryogenics, Heat pipes, Finite element method 05257
Spacecraft, Switches, Automatic control 02098
Switches, Relays, Economics 08383
Thyristors, Controllers, Pulse generation, Stability 05537
Transformers, Voltage, Insulators, Icing 07242
Water, Heating systems, Energy conservation, Microcomputers, Flow of gases 02624
Thermal variables measurement,
Absorption, Spectral analysis, Infrared, Doppler shift, Agriculture 03481
Acoustics, Nondestructive testing, Structural analysis, Crack propagation 00342
Ageing, Reliability, Field effect transistors, Amplifiers, Gallium arsenide 08803
Aluminum, Bridges, Current, Microwaves 04089
Ampacity, Conductors, Computer aided analysis, Transmission lines 00116
Anemometers, Velocity, Atmospheric conditions, Dissertation 08703
Anemometers, Velocity, Heat transfer, Convection 02625
Apertures, Dielectricity, Microwaves, Boron nitride 00039
Arcs, Inductance, Circuit breakers, Voltage 00106
Biomedical engineering, Probes, Esophageal temperature 08637
Bipolar transistors, Polysilicon, Etching, Hydrofluoric acid, Fabrication 07563
Bolometers, Infrared, Germanium, Circuitry 01901
Bolometers, Telescopes, Millimeter waves, Helium 00273
Bridges, Fabrication, Microwaves, Irradiation, Current voltage 04238
Cables, Electric power generation, Tray covers 08223
Calibration, Automatic testing 00249
Calibration, Instrumentation, Solar collectors 01832
Calorimeters, Circuitry, Voltage, Electric variables control 08418
Capacitance, Heterojunctions, Pn junctions, Photovoltaic effect 03354
Carrier mobility, Silicon, Interfaces, Silicon dioxide, Trapping 04401
Carrier waves, Optics, Heterostructure lasers 00941
Cathodes, Magnetic fields 06716
Ceramics, Sensors, Transmitters 08375
Channels, Charge carriers, Transmission lines 07477
Charge coupled devices, Dark conduction, Space charge, Leakage current 04498
Clinical medicine, Heat treatment, Electromagnetics, Regional hyperthermia 03666
Computed tomography, Remote sensing, Image processing, Microwaves 00047
Computer aided analysis, Microcomputers, Urban planning, Remote sensing 03711
Computer aided control, Scanning, Signal processing, Automation, Spectroscopy 02007
Computer programs, Finite element method, Electric variables measurement 06627
Conductors, Transmission lines, Computer aided analysis 01039
Contacts, Composite materials, Printed circuit boards, Packaged components 02788
Cooling, Semiconductor lasers, Pumping 09004
Copper, Composite materials, Carbon, Electrodes, Semiconductors 05937
Cryogenics, MODFET, Transistors, Performance, Current voltage 09244
Cryogenics, Semiconductor lasers, Stability 07385
Cryogenics, Superconductivity, Linear accelerators 04116
Decomposition, Calorimetry, Electric fields 00315
Deformation, Physical properties, Instrumentation, Materials testing 06710
Detectors, Amplifiers, Bridges, Resistance 08809
Dielectrics, Integrated circuits, Microelectronics, Probes, Adhesives 02791
Dielectrics, Permittivity, Resonators, Millimeter waves, Integrated circuits 09128
Diffusion, Failure, Current voltage, Thyristors 06769
Echosounders, Remote sensing, Oceanography 08684
Eddy current, Software development, Magnetic fields, Force, Torque 06749
Eddy currents, Magnetic tape, Transmission lines, Noise, Recording systems 01095
Electric variables measurement, Capacitance, Solids, Dilatometer 08490
Electric variables measurement, Glow discharge, Impedance 02621
Electrical conductivity, Metal oxide semiconductors, Gases, Sensors 08419
Electrodes, Photoelectrochemistry, Fuel cells 03942
Electronic equipment, Instrumentation, Hygrometers, Humidity, Sensors 03549
Electrons, Far infrared, Emissions, MOSFET, Field effect transistors 05961
Electrons, Glow discharge, Diffusion, Voltage 01917
Electrooptics, Modulators, Lasers 00840
Electrooptics, Photoconductors, Potentiometers, Transformers 08914
Emissions, Radio frequency, Astronomy 07074
Emitters, Electron beams, Integrated circuits, Voltage 02858
Energy bands, Charge carriers, Current, Heterostructure lasers 00943
Fabrication, Solenoids, Wire processing, Magnetic fields 04197
Fabrication, Testing, Zinc oxide, Surge arresters 08208
Failure, Integrated circuits, Packaged components, Printed circuit boards 02869
Failure, Integrated circuits, Storage, Packaged components, Connectors 02870
Fiber optics, Cables, Design, Structural analysis 07751
Fiber optics, Sensors, Transformers, Data collection 06569
Fiber optics, Strain, Deformation 06156
Fiber optics, Technology, Multiplexing, Sensors 03414
Field effect transistors, Metal oxide semiconductors, Delay, Signal processing 01216
Flames, Turbulence, Jets, Diffusion 03420
Flowmeters, Thermostats, Thermistors 02620
Frequency, Converters, Circuitry, Capacitors 07220
Fuel cells, Electrochemistry, Bridges 03340
Fuel cells, Electrochemistry, Graphite, Bromine, Electrodes 03338
Gallium arsenide, Doping, Chromium, Annealing 07671
Gas lasers, Carbon dioxide, Depth measurement, Damage 01000

Thermal variables measurement, (continued)
Gas lasers, Excitation, Oxygen, Ultraviolet, Fluorescence 06713
Gas lasers, Plasmas, X-rays, Emissions 07441
Gases, Sensors, Oxides, Chemical variables measurement 08376
Geology, Remote sensing, Surface properties, Simulation, Modeling 02179
Glass, Cryostats, Infrared, Detectors 01905
Hall effect, Voltage, Carrier density, Semiconductors, Heat treatment 08417
Heat transfer, Flow, Thermal conductivity 05034
Heat transfer, Sensors, Measurement, Convection, Current voltage 03412
Heat treatment, Furnaces, Specifications, Microprocessors, Recorders 01028
Hydroelectric power generation, Coordination, Scheduling 01778
Image processing, Oceanography, Atmospheric conditions, Satellites, Infrared 03448
Image processing, Remote sensing, Radiometers 03436
Indium antimonide, Metal oxide semiconductors, Capacitance voltage, Interfaces 05950
Infrared, Sensors, Instrumentation 09068
Instrumentation, Precision engineering, Dilatometers 00251
Instrumentation, Product development 01881
Instrumentation, Sensors, Sensitivity 03419
Insulators, Circuitry, Current, Polarization 00287
Insulators, Performance, Voltage, Residual resistance 06586
Integrated circuits, Bridges, Current voltage, Superconductors 04107
Interferometers, Refraction, Millimeter waves, Polystyrene, Polyethylene 08950
Interferometry, Arcs, Current, Pulse generation 00109
Iron, Ferromagnets, Magnetooptics, Emissions 07320
JFET, Field effect transistors, Bipolar devices, Voltage 07614
Josephson junctions, Current density, Tunnel junctions, Superconductivity 04161
Josephson junctions, Current, Numerical analysis 04230
Josephson junctions, Lead, Alloys, Fabrication, Stability 04216
Josephson junctions, Tunnel junctions, Current voltage, Magnetic fields, Lasers 04244
Junctions, Schottky diodes, Photodiodes 00771
Lasers, Fiber optics, Sensors, Pressure, Chemical variables measurement 06136
Lasers, Irradiation, Plasmas, Dynamics 07343
Lead telluride, Schottky diodes, Infrared, Detectors 04384
Lifetimes, Magnesium, Magnesium chloride, Batteries, Current density 03329
Magnetic fields, Superconductors, Current 04086
Magnetohydrodynamics, Power plants, Oxygen, Economics, Energy conversion 04967
Magnets, Cryogenics, Superconductivity, Helium 04125
Magnets, Superconductivity, Quenching, Safety 04132
Masks, Lithography, Radiation, Distortion 00829
Mechanical strength, Electroplating, Gallium arsenide, Field effect transistors 04407
Membranes, Radiation, Gases, Optical analysis 05150
Metal nitride oxide semiconductors, Voltage, Semiconductors 01203
Metal oxide semiconductors, Capacitors, Conductance, Capacitance voltage 01196
Metal oxide semiconductors, Solar cells, Band gaps, Effective mass 05651
Metal oxide semiconductors, Transistors, Circuitry, Current 05980
Meteorology, Calibration, Satellites, Remote sensing 03712
Microwaves, Impedance, Aluminum, Superconductors, Microstrips 05797
Microwaves, Radiometers, Mixers, Receivers 08400
Minicomputers, Rotating bodies, Solenoids, Superconductivity, Current voltage 04280
Modeling, Electromagnetics, Waves 08053
Modeling, Precision engineering, Instrumentation 03418
Moisture measurement, Calibration, Agriculture, Dissertation 00362
Monitoring, Nuclear reactors, PWR 04990
MOSFET, Degradation, Electrons, Injection 05970
Nickel, Electrodes, Coatings, Charge 08308
Niobium, Bridges, Structural analysis, Current voltage, Radio waves 04114
Niobium, Superconductivity, Surface properties, Defects 04057
Noise, Drain, Bias, Voltage, Transistors 01231
Noise, Oscillators, Frequency, Cryogenics 03855
Noise, Ports, Power 09524
Noise, Thermometers 01879
Nuclear reactors, Modeling 03347
Oceanography, Remote sensing, Infrared, Hydrodynamics 03446
Oceanography, Remote sensing, Precision engineering 03706
Oceanography, Remote sensing, Radiometers, Meteorology, Error 03438
Oceanography, Thermistors, Thermometers, Remote sensing 03704
Oil, Heat transfer, Solar collectors 00226
Optical systems, Design, Materials testing, Astrophysics 00281
Oscillators, Current density, IMPATT diodes, Avalanche 07208
Oscillators, Integrated circuits, Voltage 07202
Performance, Tuning, Semiconductor lasers, Lead tin selenide 04024
Phase transitions, Conductors, Superconductivity 00711
Photoconductivity, Charge carriers, Semiconductors 00767
Photoconductivity, Solid solutions, Germanium selenide, Gallium selenide 06884
Piezoelectricity, Electric variables measurement, Acoustics, Fabrication 04298
Plastics, Moisture control, Packaged components, Integrated circuits 06086
Plumes, Remote sensing, Oceanography, Infrared, Scanners 03445
Polarization, Surface acoustic waves, Voltage, Sensors 01986
Pressure, Calorimeters, Computer aided analysis 03416
Probes, Sensors, Reliability 08382
Quenching, Voltage, Magnets, Superconductivity, Transmission lines 04225
Radiation, Calibration, Black bodies 06717
Radiation, Remote sensing, Parameter estimation, Atmospheric conditions 05362
Radio waves, Emissions, Telescopes, Mars 08702
Radiometers, Oceanography, Hydrodynamics, Remote sensing, Infrared 04713
Radiometers, Remote sensing, Geodesy, Mapping, Software development 03699
Radiometers, Remote sensing, Ocean-atmosphere system 08676
Reliability, Integrated circuits, Printed circuit boards, Packaged components 02807
Reliability, Packaged components, Integrated circuits 02806
Resistors, Films, Transport properties, Modeling 05569
Rotating bodies, Heat transfer, Magnetohydrodynamics 01787
Rotors, Flow of gases, Calibration, Modeling, Winding 08134
Scanning electron microscopy, Surface properties, Absorption, Classification 02518
Schottky diodes, Infrared, Emissions, Leakage current 07552
Semiconductor lasers, Recombination, Radiative transfer, Thermal conductivity 04020
Semiconductor lasers, Wavelengths, Refractive indices, InGaAsP/InP 05753

Thermal variables measurement, (continued)
Semiconductors, Packaged components, Crack propagation, Current density 060
Sensors, Flux, Calibration 034
Sensors, Product development, Nondestructive testing, Thermocouples 026
Sensors, Sensitivity, Reliability 034
Sensors, Thermocouples, Optimization 050
Sensors, Transducers, Silicon, Integrated circuits 091
Service life, Batteries, Materials testing, Rubber 001
Shock waves, Seals, Microelectronics, Materials testing, Dissertation 027
Signal converters, Charge, Thermionic devices 026
Silicon, Diodes, Transducers, Space charge 083
Silicon dioxide, Traps, Boron, Ion implantation, Metal oxide semiconductors 059
Silicon, Leakage current, Diodes, Charge carriers, Diffusion 043
Silicon, Logic circuits, Bipolar devices, Modeling, Computer aided analysis 028
Silicon, Photoconductivity, Detectors, Lifetimes, Impurities 055
Simulation, Clinical medicine, Tissues, Hyperthermia 053
Simulation, Geometry, Integrated circuits, Computer programs 027
Solar cells, Photovoltaics, Concentrators, Open circuit voltage, Short circuits 056
Solar collectors, Instrumentation, Calibration 033
Solar collectors, Surface properties, Fluidics 033
Solar energy, Energy storage components, Electric power generation 002
Solar energy, Instrumentation, Calibration, Pyranometers 033
Soldering, Ceramics, Integrated circuits, Printed circuit boards, Deformation 060
Spacecraft, Instrumentation, Simulation, Electronic equipment, Sensors 085
Spinels, Electrical conductivity, Stoichiometry, Stability 068
Stability, Substrates, Solar energy, Structural analysis 002
Stress, Insulators, Ageing, Numerical analysis 081
Stress, Voltage, Cables, Finite difference method 082
Striplines, Attenuation, Superconductivity 010
Substrates, Solar energy, Films, Materials testing 002
Superconductivity, Aluminum, Alloys, Antennae 035
Superconductivity, Phase transitions, Quenching, Magnets 042
Superconductors, Interfaces, Heat transfer, Cryogenics 041
Superconductors, Rotors, Generators, Winding, Strain 083
Superconductors, Solenoids, Quenching, Thermal variables measurement 042
Superconductors, Wire processing, Magnetic fields, Computer aided analysis 042
Supersonic flow, Turbulence, Lasers, Fluorescence, Thermometry 009
Surge arresters, Materials planning and control, Modeling 001
Technological forecasting, Crystal growth, Semiconductors, Solar cells 025
Technology, Fiber optics, Fluoroptic^{TM} Thermometry 067
Technology, Radiation, Infrared, Detectors, Research and development 067
Technology, Thermometers, Design 002
Theoretical analysis, Optical properties, Lasers, Stress, Slab geometry 057
Thermal conductivity, Thermal insulation, Flux, Standards 038
Thermal diffusion, Radiometry, Thin films 090
Thermistors, Current voltage, Pressure, Electrical resistance 075
Thermistors, Meteorology 067
Thermocouples, Junctions, Dynamics 074
Thermocouples, Materials testing, Phase change 083
Thermocouples, Stock control, Assembling 002
Thermometers, Design 067
Thermometers, Design, SQUID, Detectors, Dissertation 002
Thermometers, Germanium, Calibration 002
Thermometers, Sulfur hexafluoride, Raman spectroscopy 067
Thermostats, Stability, Performance 074
Thin films, Heterojunctions, Dark conduction, N-CdS/p-CdTe 044
Thin films, Tantalum, Silicon carbide, Resistors, Printers 038
Transducers, Standards, Laboratory testing 0837
Transformers, Insulators, Silicone, Reliability 0917
Transformers, Oil, Additives, Paraffin, Testing 058
Transformers, Oil, Electrostatics, Charge 091
Transistors, Frequency, Noise 0757
Transistors, Precision engineering, Calibration, Automatic control 0552
Transmission lines, Computer aided analysis, Conductors, Current 0011
Transmission lines, Current density, Superconductors, Niobium compounds 0428
Tungsten, Thrusters, Electrical conductivity, Insulators 0884
Voltage, Field effect transistors, Metal oxide semiconductors 0273
Voltage, Memory, Pulse generation, Area measurement 0677
Wire processing, Stress, Moisture control, Materials testing 0605
Zinc oxide, Varistors, Grain boundaries, Sintering, Capacitance 0724

Thermionic devices,
Charge, Thermal variables measurement, Signal converters 0261

Thermionic emissions,
Polysilicon, Electrical conductivity, Field emissions, Space charge, Doping 0745
Schottky diodes, Charge carriers, Injection, Current voltage 0755
Schottky diodes, Leakage current, Thermal variables measurement, Infrared 0755
Zirconium, Cathodes, Erosion, Plasmotrons 0745

Thermistors,
Current voltage, Electrical resistance, Pressure, Thermal variables measurement 0757
Fabrication, Statistical analysis, Production control 0262
Remote sensing, Current meters, Internal waves, Ocean circulation 0868
Temperature, Voltage, Converters, Resistors 0839
Thermal variables measurement, Meteorology 0671
Thermal variables measurement, Oceanography, Thermometers, Remote sensing 0370
Thermostats, Flowmeters, Thermal variables measurement, Anemometers 0262
Yttrium iron garnet, Doping, Lasers, Irradiation, Current voltage 0580

Thermocouples,
Junctions, Thermal variables measurement, Dynamics 0746
Nondestructive testing, Product development, Sensors 0263
Thermal variables measurement, Materials testing, Phase change 0838
Thermal variables measurement, Stock control, Assembling 0025
Thermometers, Sensors, Optimization 0503

Thermodynamics,
Agriculture, Granular materials, Pest control, Microwaves, Soil science 0504
Algorithms, Power plants, Loading, Problem solving 0661
Atmospheric conditions, Corrosion, Materials testing, Solar collectors 0833

rmodynamics, (continued)
omedical engineering, Materials testing, Corrosion, Wear, Simulation 08642
oundary layers, Turbulence, Flux, Wind, Measurement 05376
alorimetry, Monitoring, Fermentation, Saccharomyces cerevisiae 06711
ompressors, Refrigeration, Energy consumption, Electric power distribution 08254
ontacts, Heat transfer, Stress, Finite element method 07232
urrent, Heating, Conductors, Explosions 08323
ytology, Biology, Microwaves, Radiation 03682
ectric fields, Frequency, Simulation, Finite difference method 05813
ectric power generation, Geology, Simulation, Economics 06686
lectric variables control, Simulation, Finite element method 07461
ectrolytes, Cerium oxide, Batteries, Performance 00174
ngines, Tensile strength, Deformation, Loading, Strain 08392
ntropy, Magnetic variables measurement, Electric variables measurement 00293
xhaust gases, Propellants, Thrusters, Velocity, Numerical analysis 06963
ber optics, Mechanical strength 01321
lms, Sensors, Simulation, Modeling, Materials testing 07463
uels, Walls, Structural analysis, Coatings, Magnetic variables control 08464
eology, Mapping, Image processing, Spectral analysis, Data processing 07038
ydroelectric power generation, Scheduling, Energy resources, Loading 05008
tegrated circuits, Reliability, Failure, Optimization 04513
nternal combustion engines, Combustion, Modeling, Compression testing, Fuels 04860
asers, Carbon dioxide, Flow of gases, Probes, Measurement 05749
asers, Process control, Materials testing, Metals, Eddy currents 05068
lagnetooptics, Lasers, Optical storage, Recording systems 01520
lechanical strength, Image processing, Strain, Creep, Finite element method 03427
lemory, Design, Circuitry, Bias, Redundancy 05861
letabolism, Tissues, Hyperthermia 03681
letal oxide semiconductors, Field effect transistors, Channels 09210
letal oxide semiconductors, Field effect transistors, Testing 09207
leteorology, Modeling, Magnetic variables measurement, Parameter estimation 05366
lotors, Magnetic variables measurement, Surface properties, Probes, Testing 06527
luclear power plants, Monitoring, Security, Technology, Reliability 03309
luclear reactors, Accidents, Fuels, Prediction, Software 03348
luclear reactors, Circuitry, Reliability, Monitoring, Safety 04977
ptics, Lasers, Carbon dioxide, Gallium arsenide, Density 05772
erformance, Batteries, Sulfur, Sodium 06647
hysics, Nuclear energy, Ionizing radiation, Nuclear reactors 08865
,2-polybutadiene, Fire retardants, Dielectric properties, Resins 03889
ower plants, Thermal discharges, Computer aided analysis 05028
adiation, Flow of gases, Turbulence, Electric variables measurement 09069
adiation, Metals, Heat transfer, Convection, Metrology 09067
afety, Gases, Fluid mechanics, Valves, Numerical analysis 00360
emiconductors, Software development, Circuitry, Interference, Simulation 05894
emiconductors, Transport properties, Coulomb low, Pn junctions 01120
ilicides, Integrated circuits, Metal oxide semiconductors, Schottky barriers 07669
ilicon, Diodes, Transistors, Simulation, Transducers 07510
Solar cells, Interfaces, Oxidation, CdS-CuInSe$_2$ 00785
Solar collectors, Energy conversion, Storage, Current voltage 03371
Solar energy, Energy conversion, Atmospheric conditions 03353
Solar energy, Energy storage components, Radiation, Cooling systems 06668
Solar energy, Power plants, Software development, Simulation 07277
Spectrometers, Microcomputers, Control systems, Decomposition 05077
Sprays, Lasers, Diffraction, Cross sectional measurement, Distributions 05126
Storage, Electric power generation, Space heating, Research and development 06674
Thermosphere, Fabry Perot interferometers, Doppler shift, Image processing 08707
Transducers, Strain, Gauges 05836
Turbines, Generators, Electromagnetics, Eddy current, Finite element method 06553
Ventilation, Electronics, Aircraft, Control systems 06972
ermoelasticity,
Quartz, Frequency, Thermal expansion, Elasticity, Stiffness 08393
Quartz, Stress, Frequency, Acoustics, Least squares estimation 08483
ermoelectricity,
Dynamics, Current, Feedback, Superconductivity 01024
Thermoelectric devices, Solar cells, Spectral analysis, Solar energy 01824
ermography,
Microwaves, Irradiation, Surface properties, Dissertation 00040
ermoluminescence,
Gamma radiation, Radiation dosimetry, Nuclear power plants 00738
ermometers,
Acoustics, Signal transmission, Remote sensing 01880
Capacitance, Pn junctions, Silicon, Germanium 00252
Design, Cerous magnesium nitrate, SQUID, Detectors, Dissertation 00253
Design, Thermal variables measurement 06718
Noise, Thermal variables measurement 01879
Radiation, Optics, Reliability, Electronic equipment, Environmental engineering 03966
Rolling, Grinding, Cooling systems 01882
Sensors, Thermocouples, Optimization 05036
Stability, Optics, Process control, Transducers, Maintenance 05035
Sulfur hexafluoride, Raman spectroscopy 06715
Technology, Thermal variables measurement 00248
Thermal insulation, Sensors, Performance, Research and development 03417
Thermal variables control, Microprocessors, Control systems 00250
Thermal variables measurement, Germanium, Calibration 00247
Thermistors, Thermal variables measurement, Oceanography, Remote sensing 03704
Thermistors, Thermostats, Ceramics, Thermal variables measurement 02620
ermostats,
Relays, Switches, Precision engineering 09129
ickness control,
Soldering, Coatings, Printed circuit boards, Integrated circuits 02786
ickness measurement,
Biomedical engineering, Cytology, Acoustic emissions, Wave propagation 00346
Coatings, Gauges, Photodetectors, Infrared, Visible range 05668
Copper, Aluminum, Films, Eddy current, Computer aided analysis 07531
Dielectric permittivity, Boundary layers, Contacts, Space charge 02689
Filters, Metals, Computer aided design, Performance, Numerical analysis 03794

Thickness measurement, (continued)
Forging, Pulse generation, Probes 02444
Geology, Elasticity, Flow, Physical properties, Modeling 08493
Heterostructure lasers, Aluminum gallium arsenide, Temperature, Power 00952
Indium, Bridges, Current, Noise, Dissertation 09060
Insulators, Logic circuits, Channels, Capacitance, Field effect transistors 01180
Magnetic tape, Harmonics, Recording systems, Signal processing 01094
Mechanical strength, Nondestructive testing, Steel 00258
Metal insulator semiconductors, Space charge, Temperature, Al-Tb$_2$GeS$_5$-Ge 01124
Nondestructive testing, Ultrasonics, Transducers 09136
Nuclear energy, Radiation, Instrumentation, Gauges, Research and development 03563
Recording systems, Magnetics 05881
Rolling mills, Metals, Control systems, Automation, Research and development 02063
Rotating bodies, Electromagnetic waves, Resonators, Leak detection, Current 00364
Superconductors, Films, Frequency, Spectral analysis 08427
Thin films, Polarization, Interferometers, Lasers 03486
Titanium, Films, Silicon, Photoconverters, Reflection 00214
Ultrasonics, Inspection, Standards, Nondestructive testing 05109
Zinc sulfide, Electroluminescence, Voltage 00817
Thin films,
Aluminum, Alloys, Electromigration, Kinematics 07239
Aluminum, Electrons, Transport properties, Electrical resistivity 03471
Bolometers, Infrared, Detectors, Thermal conductivity 05051
Cadmium mercury sulfide, Electrodes, Performance, Solar cells 02502
Cadmium sulfide, Heterojunctions, Solar cells, Dissertation 05634
Cadmium sulfide, Transistors, Ytterbium oxide, Insulators 05958
Cadmium telluride, Solar cells, Film growth, Evaporation, Doping 06662
Capacitance voltage, Metal insulator semiconductors, Capacitors 05575
Capacitors, Voltage, Testing, Service life 02479
Carbon, Raman scattering, Crystal structure, Strain 06882
Charge coupled devices, Design, Tellurium, Bismuth telluride 01258
Chemical variables measurement, Fabrication, Photovoltaics 00777
Copper sulfide, Film growth, Sputtering, Solar cells 05652
Current voltage, Solar cells, Copper indium selenide, Dissertation 05628
Dielectrics, Waveguides, Four wave mixing, Cross sectional measurement 09107
Disks, Radios, Frequency, Density, Ferrites 05862
Displays, Electroluminescence, Structural analysis, Zinc sulfide 05676
Dyes, Lubricants, Fluorescence, Contacts 07230
Electroluminescence, Displays, Electrons, Irradiation, Excitation 05675
Electroluminescence, Zinc sulfide, Excitation, Charge 05674
Electromigration, Integrated circuits, Surface properties, Conductors 02467
Electrons, Irradiation, Luminescence, Excitation, ZnSe:Mn 05673
Energy conversion, Solar cells, Photovoltaics, Cost benefit analysis 02511
Epitaxial growth, Silicon, Solar cells 03927
Erbium fluoride, Capacitors, Film growth, Electrical conductivity, Temperature 08854
Fabrication, Microwaves, Calorimetry, Barretters 04540
Ferromagnets, Magnetic tapes, Fabrication, Vacuum technology 05870
Film growth, Coatings, Kalman filters, Signal processing 07896
Film growth, Microcomputers, Signal processing, Integrated optics 06877
Gadolinium cobalt, Rare earths, Stability, Recording systems 01519
Gallium arsenide, Field effect transistors, Mixers, Fabrication 04427
Glass, Waveguides, Refractive indices, Light scattering 01051
Gradiometers, Integrated circuits, Signal processing, Superconductivity 04097
Grain boundaries, Silicon, MOSFET, Integrated circuits, Simulation 09208
Ground states, Energy, Electrons, Monte Carlo method, Dissertation 01248
Helium, Surface properties, Ultrasonics, Scattering, Dissertation 05116
Heterojunctions, Dark conduction, Thermal variables measurement, N-CdS/p-CdTe 04439
Heterojunctions, Solar cells, Optical analysis, Photovoltaics, CdS/CuInSe$_2$ 07268
Heterostructures, Electroluminescence, Light emitting diodes, Si/ZnS:Mn 00815
Illumination, Amplifiers, Electroluminescence, Photodevices 03963
Indium tin oxide, Film growth, Evaporation, Optics, Photodevices 02517
Integrated circuits, Lasers, Thermal conductivity, Numerical analysis 02589
Integrated circuits, Performance, Loading, Microelectronics 04471
Integrated circuits, Silicon, Crystal growth, Doping 02828
Magnetic fields, Hall effect, Charge carriers 01956
Magnetic fields, Semiconductors, Optical analysis, Energy bands 00319
Magnetic storage, Disks, Manufacturing, Research and development 02677
Magnetics, Recording systems, Noise, Signal to noise ratio 05871
Magnetics, Recording systems, Optimization, Computer aided analysis 09169
Magnetoresistors, Modeling, Dispersion, Numerical analysis 07518
Manganese, Electroluminescence, Electron microscopy 00818
Memory, Shift registers, Density, Chemical variables control, Magnetic fields 02679
Modeling, Semiconductors, Solar cells, Current voltage, Numerical analysis 07276
Optical storage, Magnetic variables control, Thermal variables control, Cameras 08925
Photoconductivity, Heterojunctions, Zinc selenide, Photosensors 00766
Pin diodes, Transistors, Amplifiers, Frequency 08804
Polypropylene, Metal insulator metals, Electroforming, Pressure, Transistors 09209
Recording systems, Noise, Magnetic tape, Eddy currents 01095
Refractories, Metal silicides, Integrated circuits, Metal oxide semiconductors 02829
Semiconductor lasers, Chemical reactions, Heat treatment, Recording systems 01511
Semiconductors, Energy conversion, Fiber optics, Vibration, Monitoring 07661
Signal processing, Modulation, Focusing, Optical storage 01516
Silicon, Doping, Piezoelectricity, Transducers, Doping 04332
Silicon hydride, Solar cells, Short circuits, Absorption, Optical analysis 05001
Silicon, MOSFET, Current voltage, Carrier mobility, Modeling 07580
Solar cells, Annealing, Diffusion, CdS/Cu$_2$S 00792
Solar cells, Electrodes, Design, CdS/CdTe 07282
Solar cells, Heterojunctions, Photovoltaics, CuInSe$_2$/CdZnS 05635
Solar cells, Photoconductivity, Cu$_2$S/CdS 02500
Solar cells, Recombination, Junctions, Schottky barriers, Book 08884
Solar cells, Schottky barriers, Cadmium sulfide, CdS/CdTe 05613
Spectroscopy, Electrons, Tunneling 08435
Superconductors, Electromagnetic waves, Wave propagation 00024
Superconductors, Solenoids, Integrated circuits, Capacitance 04109
Surface texture, Materials testing, Optical storage 01512
Tantalum, Aluminum, Nitrogen, Doping, Capacitors 03901

Thin films, (continued)
- Tantalum, Silicon carbide, Resistors, Printers, Thermal variables measurement 03893
- Tellurium, Cadmium sulfide, Diodes, Fabrication, Current voltage 05912
- Tellurium, Optical storage, Materials testing 01509
- Tellurium, Optical storage, Sensitivity, Stability 01510
- Tellurium oxide, Video systems, Optical storage, Signals 01338
- Terbium ferrite, Optical storage, Erasability, Performance 01513
- Thermal diffusion, Radiometry 09066
- Transducers, Heat, Strain, Sensors, Integrated circuits 04331
- Transducers, Microelectronics, Langmuir-Blogett films 04333
- Transistors, Silicon, Tantalum pentoxide, Etching, Transconductance 07608
- Transition metals, Superconductors, Temperature, Tunneling, SN 05795
- Tunnel junctions, Lithography, Superconductivity 04088
- Waveguides, Couplers, Lithium niobate, Ion implantation, Dissertation 04322
- Waveguides, Dye lasers, Coupling, Amplifiers 00907
- Waveguides, Optics, Amplifiers 09358
- Zinc oxide, Surface acoustic waves, Transducers, Optics, Waveguides 05698

Thyristors,
- Arc furnaces, Voltage, Protection 00111
- Automatic control, Microcomputers 06529
- Balancing, Power systems, Loading, Control systems 01761
- Bridges, Pulse generation, Inverters, Induction motors 06515
- Capacitors, Heat transfer, Switches, Control systems 02482
- Capacitors, Turbines, Induction motors, Energy conversion, Wind energy 01711
- Circuit breakers, Current, Energy storage components 01753
- Combustion, Integrated circuits, Ignition, Phase locked loops 00675
- Commutation, Converters, Bridges, Induction motors 04885
- Computer aided control, Distortion, Loops, Feedback, Thyristor current source 05065
- Control systems, Impedance, Inductance, Motors 06539
- Control systems, Power systems, Oscillation, Damping, VAr compensators 08217
- Converters, Transmission lines, Mathematical models, Book 08839
- Diodes, Rectifiers, Power supply, Electrochemistry 08311
- Electric furnaces, Energy conservation, Control systems, Steelmaking 02626
- Failure, Thermal variables measurement, Diffusion, Current voltage 06769
- Fiber optics, Power Switches 07717
- Field effect transistors, Current, Stability 04397
- Insulators, Sulfur fluoride, Valves, Electric power transmission 01723
- Inverters, Induction, Heating, Melting 08224
- Inverters, Voltage, Control systems, Harmonics 06598
- Logic circuits, Snubber circuits, Switching, Dissipation, Inductance 00122
- Microprocessors, Synchronization, Signal processing, Logic 01734
- Motors, Current voltage, Harmonics, Converters 06514
- Power supply, Frequency, Motors, Signal converters, Logic circuits 00072
- Power systems, Harmonics, Loading, Electrolysis 01784
- Power systems, Stability, Mathematical models, Transportation 08189
- Power systems, Switching, Harmonics, Generators 08174
- Pulse generation, Current voltage, Commutation, Circuitry 06595
- Pulse generation, Switching, Modulators, Inductance 07211
- Resonance, Stress, Capacitance, Synchronous motors, Dissertation 04895
- Semiconductors, Reliability 05900
- Short circuits, Logic circuits, Current 01178
- Silicon, Doping, Annealing, Power 01121
- Temperature, Controllers, Pulse generation, Stability 05537
- Transformers, Transistors, Inverters, Standards, Photovoltaics 05656
- Voltage, Control systems, Induction motors 08155
- Voltage, Control systems, Motors, Circuitry 07182
- Voltage, Controllers, Design 08201
- Voltage, Switching, Pulse generation 06784

Time measurement,
- Acoustooptics, Relaxation, Spectroscopy, Lasers, Absorption, Dissertation 03972
- Analog to digital converters, Multipliers, Voltage, Economics 00687
- Analog to digital converters, Reliability, Sony Flash ADC CX 20052 05165
- Analog to digital converters, Signal processing 06870
- Arithmetic circuits, Signal processing, Filtering, Pipelining 07648
- Astronomy, Rotation 08491
- Atomic physics, Oscillation, Noise, Clocks, Dissertation 00358
- Bandwidths, Telecommunications, Fiber optics 09342
- Carrier mobility, Conductivity, Current, Signal processing 02717
- Charge coupled devices, Signal processing, Architecture 05513
- Circuitry, Controllers 05512
- Circuitry, Design, Dissertation, Clocking discipline 02836
- Circuitry, Fabrication, Random access memory 04484
- Circuitry, Filters, Delay, FIR filters 07137
- Circuitry, Filters, Signal processing 05462
- Circuitry, Oscillators, Amplifiers, Modeling 08735
- Circuitry, Random access memory, Fabrication 04485
- Circuitry, Random access memory, Fabrication 04489
- Circuitry, Waveform generators 03868
- Clocks, Beryllium, Ions, Lasers, Cooling 06869
- Clocks, Displays, Computer aided control, Research and development, Fabrication 05131
- Data transmission, Speech transmission, Multiplexing, Queueing theory 07997
- Data transmission, Synchronization, Sensors, Corrections 05440
- Delay, Channels, Data transmission, Radio communications 09314
- Delay, Filters, Noise, Gain, Butterworth filter 03797
- Delay, Logic circuits, Metal oxide semiconductors, Modeling 05995
- Delay, Signals, Filtering 01562
- Delay, Signals, Output 07897
- Digitizers, Analog to digital converters, Signal processing 06871
- Electric fields, Magnetic fields, Current, Discharges 06835
- Electric power generation, Simulation, Stability, Modeling 04946
- Estimation, Sensors, Delay, Signal to noise ratio, Data compression 06320
- Filtering, Image processing, Computed tomography, Reconstruction 00509
- Filters, Capacitors, Frequency, Switched capacitors 05452
- Filters, Logic circuits, Architecture 05453
- Fourier transforms, Conversion, Frequency, Visualization 04760
- Gain, Current, Photomultipliers 05590

Time measurement, (continued)
- Logic circuits, Tunnel junctions, Josephson junctions, Simulation, Current 0407
- Microcomputers, Microelectronics, Architecture, Electric power transmission 0709
- Microelectronics, Military equipment, Testing, Fault detection 0765
- Multipliers, Error 0717
- Navigation, Systems analysis 0309
- Optimization, Numerical analysis, Signal processing 0314
- Oscillators, Quartz, Stability 0552
- Photomultipliers, Simulation 0558
- Power systems, Flow, Circuit breakers, Computer programs, Dissertation 0489
- Precision engineering, Calibration, Measurement Instrumentation, NBS 0678
- Pressure measurement, Transducers, Rocket engines, Missiles 0047
- Pulse code modulation, Signal processing, Filters, Transfer functions 0319
- Pulses, Scintillators 0516
- Radios, Optics, Metrology, Interferometry, Rotation 0932
- Reflectometry, Striplines, Reflectometry, Calibration, Dielectrics 0110
- Resolution, Photodevices, Electric fields 0076
- Satellite communications, Coding, Signal processing, Control systems 0365
- Signal processing, Broadcasting, Telecommunications, Standards, ATA 0315
- Signal processing, Delay, Parameter estimation 0953
- Signal processing, Gallium arsenide, Integrated circuits, Architecture 0926
- Signals, Demodulation, Frequency 0791
- Signals, Transmission, Jitter, Filters 0316
- Simulation, Computer aided design, Integrated circuits 0762
- Simulation, Robots, Programming languages, Computer graphics 0511
- Simulation, Signals, Delay, Estimation 0633
- Spacecraft, Telemetry, Information processing, Atmosphere 0869
- Spectral analysis, Channels, Bandwidths, Clock synchronizers 0310
- Spectral analysis, Pulses, Amplitude, Pulse generators 0507
- Spectral analysis, Synchronization, Signal processing, Dissertation 0786
- Speech recognition, Systems design 0627
- Speech synthesis, Integrated circuits, Microprocessors 0460
- Stability, Relaxation, Oscillators, Noise 0380
- Synchronizers, Waveforms, Delay, Noise 0792
- Transducers, Flowmeters, Calibration, Pressure 0260
- Ultrasonics, Paper industry, Modulation, Signal processing, Granular materials 0034
- Vision, Color, Information processing, Sociology, Dissertation 0399
- Wave propagation, Nondestructive testing, Ultrasonics, Lubricants 0033
- Waveforms, Voltage, Instrumentation 0200

Time sharing systems,
- Communication networks, Terminals, Queueing theory, Batch processing 0618
- Simulation, Interactive systems, Calculators, Structural analysis 0490
- Televisions, Broadcasting 0940

Time varying systems,
- Decoupling Control, Feedback 0523
- Parameter estimation, Error, Adaptive control 0523

Tin,
- Alloys, Dielectrics, Corrosion resistance, Thermal variables control 0430
- Composite materials, Transmission lines, Superconductors 0419
- Connectors, Contact resistance, Interfaces, Dynamics 0723
- Contacts, Polyacetylene, Current voltage, Capacitance voltage 0514
- Gold, Contacts, Fretting, Corrosion 0724
- Niobium, Solenoids, Magnetic fields, Superconductors 0423
- Niobium, Superconductors, Solenoids, Cryogenics, Stability 0422
- Plating, Connectors, Wear, Vibration 0723

Tin dioxide,
- Gases, Sensors, Electrical conductivity, Temperature 0354
- Sintering, Annealing, Gases, Sensors 0849

Tin oxide,
- Indium oxide, Cadmium oxide, Zinc oxide, Optical variables control, Conductors 0071
- Solar cells, Silicon, Fiber optics, Waveguides 0560

Tissues,
- Clinical medicine, Hyperthermia, Simulation, State of the art 0534
- Hyperthermia, Ultrasonics, Dose response effects, Tumors 0700
- Scanning, Microscopy, Acoustics, Elastic constants 0848
- Simulation, Hyperthermia, Thermal variables measurement 0534
- Ultrasonics, Histology, Rats, Cytology 0700

Titanium,
- Alloys, Eddy current, Excitation, Electrical conductivity, Gas saturation 0434
- Alloys, Nickel, Surface structure, Scanning electron microscopy 0390
- Alloys, Niobium, Composite materials, Materials testing, Superconductivity 0410
- Alloys, Niobium, Tantalum, Superconductors, Cables 0419
- Composite materials, Niobium, Superconductors, Current density, Heat treatment 0411
- Diffusion, Lithium niobate, Waveguides, Fabrication 0105
- Diffusion, Lithium niobate, Waveguides, Performance, Optics 0582
- Doping, Lithium niobate, Waveguides, Couplers, Refractive indices 0748
- Electrodes, Coatings, Corrosion prevention, Chlorate cells 0334
- Films, Thickness measurement, Silicon, Photoconverters, Reflection 0021
- Niobium, Superconductors, Voltage, Oscillation, Inductance 0416
- Platinum, Ohmic contacts, Semiconductor lasers, Annealing, Blistering 0402
- Solenoids, Niobium, Current density, Scattering 0419
- Superconductors, Wire processing, Magnetic fields 0421
- Thermal expansion, Stress, Elasticity, Reliability 0694

Titanium dioxide,
- Films, Dielectrics, Waveguides, Fabrication 0588

Titanium nitride,
- Silicon, Solar cells, Ohmic contacts, Resistivity 0078

Tokamaks,
- Alfven waves, Fusion reactors, Antennae, Dissertation 0805
- Antennae, Heating systems, Shielding, Optimization 0667
- Current, Drives, Transformers, Fusion, Nuclear reactors 0016
- Cyclotrons, Polarization, Interferometers, Mirrors 0650
- Electron density, Far infrared, Interferometers, Lasers 0672
- Plasma heating, Stability 0663
- Plasmas, Electron density, Measurement, Lasers, Interferometers 0904
- Plasmas, Heating, Frequency, Magnetohydrodynamics 0829

maks, (continued)
smas, Heating, Wave propagation, Coupling ... 08292
smas, Probes, Carbon, Silicon ... 06633
smas, Superconductivity, Pulse generation, Coil winding machines ... 04254
lenoids, Magnetic fields, Nuclear reactors, Energy resources ... 06660
perconductivity, Magnets, Gyrotrons, Cryogenics ... 04185
perconductivity, Solenoids, Cryogenics, Helium, Systems design ... 04269
ium, Fusion reactors, Cooling systems, Magnets ... 00193
ltage, Magnetic fields, Fusion, Nuclear reactors ... 00170
rance,
easurement errors, Spectral analysis, Parameter estimation ... 04781
tors, Standards, Classification ... 04882
dios, Reliability, Inspection, Specifications ... 02907
bots, Gas turbines, Grinding, Inspection, Measurement ... 05245
ansmission lines, Connectors, Fiber optics, Alignment ... 02935
ography,
aging, Resolution, Noise ... 08484
ography,
ackscattering, Computer aided analysis, Scanning electron microscopy ... 02557
artography, Mapping, Scanning ... 02215
ata collection, Computer graphics, Scanning, Data bases, Standards ... 02218
eography, Data collection, Mapping, Computer graphics, Photogrammetry ... 02204
nd use, Remote sensing, Satellite communications, Mapping ... 02206
apping, Image processing, Astronomy, Extraterrestrial bodies ... 02230
apping, Image processing, Remote sensing, Satellite communications, Cameras ... 02220
emote sensing, Radiometers, Balloons ... 05041
pacecraft, Mapping, Image processing, Televisions ... 02200
ansmission lines, Electric fields, Magnetic fields, Measurement ... 09097
enus, Radar, Remote sensing, Spacecraft ... 02261
sible range, Infrared, Remote sensing, Radiometers, Reflectance ... 03437
-ray topography, Potassium chloride, Crystal defects, Stacking faults ... 03457
ology,
artography, Mapping, Image processing, Scanning, Color ... 02188
artography, Raster displays, Data structure, Research and development ... 03688
ommunication networks, Microwave devices, Amplifiers, Gallium arsenide ... 08801
ommunication networks, Monotonicity, Circuitry, Inspection ... 08793
ommunication networks, Switching, Capacitors, Software development ... 05580
omputer aided design, Filters, Simulation, Integrated circuits ... 08739
stimation, Stability, Nonlinear systems, Asymptotic behavior ... 08773
ault detection, Circuitry, Communication networks, Identification ... 03830
ield effect transistors, Amplifiers, Communication networks, Microwave devices ... 03852
tegrated circuits, Memory, Structural analysis, Logic, Processors ... 04461
ocal area networks, Access, Protocols ... 08724
ocal area networks, Architecture, Protocols, Data communications, Flow ... 08726
ocal area networks, Fiber optics, Buses, Structural analysis ... 09363
ocal area networks, Realtime systems, Traffic, Protocols, Dissertation ... 03747
outing, Circuitry, Modeling, Research and development, Dissertation ... 02840
que,
erodynamics, Spacecraft, Satellites, Guidance and control systems, Dynamics ... 00477
rives, Electric variables measurement, Modeling, Velocity, Numerical analysis ... 04858
ddy current, Software development, Thermal variables measurement ... 06749
nduction motors, Pumps, Electric variables control, Velocity ... 04908
achinery, Modeling, Rotors, Synchronization, Harmonics ... 00067
otors, Motors, Loading, Circuitry, Performance ... 04879
ensors, Synchronous motors, Voltage, Commutation ... 06540
ransducers, Machinery, Signal processing, Frequency, Displays ... 05837
urbines, Hydroelectric power generation, Flow, Control systems, Generators ... 05020
rque control,
nverters, Induction motors, Velocity ... 03271
rque measurement,
orce, Superconductors, Alternators ... 03293
nverters, Synchronous motors, Control systems, Damping ... 04883
tructural analysis, Stepping motors ... 01690
elocity, Ignition, Internal combustion engines, Microcomputers, Simulation ... 02338
rsion,
lectric power apparatus, Oscillation, Shafts ... 01673
iezoelectricity, Crystals, Electric fields, Potentials ... 01032
ltrasonics, Bones, Electromagnetic waves, Biomedical engineering ... 02147
ughness,
racture, Tungsten carbide, Ultrasonics, Nondestructive testing ... 00331
xicity,
coustics, Ultrasonics, Cytology, Rats ... 02141
ensity, Respiratory system, Diagnostics, Radiation, Computed tomography ... 02163
ranium, Pollutant detection, India, Monitoring ... 03562
acking,
griculture, Image processing, Computer programs, Simulation ... 02236
griculture, Image processing, Scanning, Satellite communications ... 02227
ir traffic control, Guidance and control systems, Radios ... 00472
ircraft, Air traffic control, Radar, Kalman filters ... 07861
lgorithms, Filters, Recursion, Measurement, Space technology ... 02350
ommunication networks, Controllers, Stability, Simulation, Power systems ... 04965
ontrol systems, Design, Feedback ... 08545
ontrollers, Design, Performance, Dissertation ... 08573
ontrollers, Fault tolerance, Transfer functions, Parameter estimation ... 08560
ontrollers, Input output, Problem solving, Integration, Actuators ... 06934
istance measurement, Technology, State of the art, Computer aided design ... 09495
nvironmental protection, Radar, Radiation, Safety, Impact analysis ... 01533
stimation, Satellite communications, Filters, Error, Orbits ... 01395
eedback, Control systems, Time varying systems, Trajectories, Robots ... 00390
iltering, Noise, Simulation ... 07862
ilters, Modeling, Simulation ... 08749
ilters, Radar, Parameter estimation, Optimization, Numerical analysis ... 06287
ilters, Signal processing, Optics, Performance, Algorithms ... 05721
requency, Voltage, Signals, Power systems ... 08137
aussian processes, Interference, Bandpass limiters ... 03115
elical antennae, Telemetry, Telecommunications ... 04703

Tracking, (continued)
Limiters, Receivers, Frequency, Navigation, Circuitry ... 09491
Military engineering, Cartography, Computer programs, Computer graphics ... 02189
Military, Missiles, Simulation ... 07860
Missiles, Carrier waves, Radar, Guidance and control systems ... 01532
Modeling, Scattering, Signal processing, Waves ... 04810
Monitoring, Disks, Recording systems, Optical storage ... 01500
Optics, Position control, Modeling ... 02563
Performance, Estimation, Control systems, Design ... 06286
Phase locked loops, Filters, Frequency, Noise, Simulation ... 02364
Position control, Distance measurement, Signal reception, Doppler effect ... 09494
Position control, Radar, Remote sensing, Aerial bathymetry ... 04726
Radar, Architecture, Signal processing ... 01528
Radar, Filters, Stability, Graphs, Parameter estimation ... 05478
Radar, Noise, Antennae, Least squares estimation, Performance ... 06481
Radar, Oil wells, Research and development, Drilling, Mapping ... 06296
Radar, Simulation, Software development ... 07868
Radiography, Image processing, Cameras, Computer graphics, Displays ... 03669
Radios, Interference, Satellites, Position control ... 08617
Satellite communications, Antennae, Position control ... 03255
Satellites, Orbital motion, Doppler shift, EMI, EMC ... 09497
Sensors, Optics, Telescopes, Radiation, Automation ... 05847
Sensors, Position control, Kalman filters ... 09493
Signal processing, Fourier transforms, Acoustooptics ... 00857
Signals, Filtering, Robustness, Simulation ... 01595
Signals, Modulation, Delay ... 07915
Software packages, Satellite communications, Performance, Prediction ... 07795
Spacecraft, Pattern recognition, Identification, Remote sensing, Simulation ... 05364
Spacecraft, Radios, Navigation, Position control ... 08603
Spacecraft, Satellites, Technology, Failure ... 05274
Spread spectrum communications, Radios, Mobile systems, Frequency, Signals ... 01303
Surface texture, Image processing, Optics, Erosion, Statistical analysis ... 00897
Vocoders, Music, Signal processing, Dissertation ... 01479
Voltage, Frequency, Microcomputers, Realtime systems, Measurement ... 00093
Weapons, Military engineering, Cartography, Terrain analysis, Data bases ... 02219
Traffic,
Automation, Aircraft, Scheduling, Operations research ... 00465
Channels, Redundancy, Performance ... 09556
Channels, Speech transmission, Modeling ... 03154
Circuitry, Communication networks, Control systems, Flow, Simulation ... 04580
Communication networks, Airlines, Data processing, Interactive systems ... 02981
Communication networks, Architecture, Software development ... 04595
Communication networks, Optimization, Heuristics, Design, Integer programming ... 06270
Communication networks, Transmission lines, Control systems, Modeling ... 06351
Computer aided design, Communication networks, Packet switching, Simulation ... 08000
Control systems, Airports, Radar, Signal processing, Computer graphics ... 06290
Data transmission, Channels, Communications, Channel capacity ... 03156
Data transmission, Speech transmission, Packet switching ... 07849
Data transmission, Videotex, Modeling, Customer services ... 06124
Decision making, Radio communications, Networks, Packet switching ... 09317
Delay, Satellite communications, Data transmission, Control systems ... 06093
Distributed systems, Communication networks, Terminals, Signal transmission ... 06119
Electronic mail, Economics, Planning, Management ... 09452
Local area networks, Distributed systems, Buses, Access ... 08723
Local area networks, Realtime systems, Topology, Protocols, Dissertation ... 03747
Modeling, Communication networks, Matrices, Data transmission, Performance ... 01424
Networks, Reliability, Control, Management ... 08775
Packet switching, Communication networks, Speech transmission, Data processing ... 07954
Protocols, Communication networks, Routing, Optimal control ... 04620
Protocols, Communication networks, Satellite communications, Channels, Modeling ... 01576
Random access memory, Communication networks, Channels, Hybrid systems, Delay ... 04581
Random variables, Interference, Data communications, Numerical analysis ... 07841
Routing, Telecommunications, Circuitry, Modules ... 04619
Satellite communications, Machine machine interactions, Data transmission, Flow ... 04593
Scheduling, Interference, Orthogonality, Satellite communications ... 01403
Signal transmission, Radio communications, Throughput, ALOHA ... 09316
Simulation, Networks, Routing, Circuit switched networks ... 06268
Speech transmission, Data processing, Multiplexing, Performance, Delay ... 07994
Speech transmission, Multiplexing, Synchronization, Performance ... 07924
Telecommunications, Local area networks, Architecture, Switching, Performance ... 07829
Telecommunications, Satellite communications, Standards, Access, Terminals ... 06190
Transmission, Switching, Parameter estimation ... 09552
Training,
Education, Engineering, Quality control ... 08734
Electric power generation, Reliability, Accidents, Simulation, Personnel ... 01856
Electrical engineering, Education, Standards ... 07104
Electronic mail, Insurance industry, Personnel, Productivity ... 03881
Information processing, Technological forecasting, Education ... 05405
Lasers, Personnel, Education, Industry, Research and development ... 05789
Military engineering, Speech recognition, Systems design ... 01489
Motor vehicles, Image processing, Holography, Displays, Motor vehicles ... 09038
Office automation, Personal computers, Workstations, Word processing ... 04662
Personnel, Mapping, Computer aided analysis, Problem solving ... 02253
Photography, Simulation, Computer graphics, Helicopters ... 03635
Radar, Maintenance, Computer aided control, Aircraft, Research and development ... 06291
Robots, Control systems, Man machine interactions, Maintenance ... 05197
Simulation, Aircraft, Technology, Microprocessors, Economics ... 06964
Technological forecasting, Sensors, Guidance and control systems, Missiles ... 00493
Videodiscs, Microprocessors, Maintenance, Economics ... 01323
Transaction processing,
Banking, Electronic funds transfer, Security ... 08710
Distributed systems, Data transmission, Broadcasting ... 06356
Transborder data flow,
Data processing, Security, Government regulations ... 02888
Satellites, Remote sensing ... 02174
Telecommunications, Government regulations, IBM, AT&T ... 07674

Transborder data flow, (continued)
- Telecommunications, Standards, Security, Monitoring 06102
- Transmission, Telecommunications, Packet switching 09468
- United Kingdom, Security, Legislation 02884
- United States, Legislation, Information delay/loss liability 02885

Transceivers,
- Isolation systems, Packaging, Radios, Mining, Vibration 01311

Transconductance,
- Amplifiers, Metal oxide semiconductors 08800
- Capacitance, Carrier mobility, Metal oxide semiconductors 01234
- Field effect transistors, Doping, Voltage, Hall effect 04428
- Field effect transistors, Molecular beam epitaxy, Indium gallium arsenide 01192
- Field effect transistors, Semiconductors, Interfaces, Carrier mobility 04431
- Gallium arsenide, Field effect transistors, Frequency, Circuitry, Impedance 08071
- Gallium arsenide, Field effect transistors, Semiconductors, Logic circuits 02771
- Indium phosphide, MESFET, Transistors 07592
- MESFET, Transistors, Fabrication, Gallium arsenide 07603
- MESFET, Transistors, Gallium arsenide, Ion implantation, Carrier mobility 09253
- MESFET, Transistors, Ion implantation, Gallium arsenide 07599
- MODFET, Integrated circuits, Capacitance, Scattering, Transconductance 07609
- MODFET, Transistors, Fabrication, Ion implantation, Current voltage 05968
- MOSFET, Transistors, Degradation, Hot electrons 05969
- Silicon, Transistors, Contacts, Voltage, Capacitance 09203
- Thin films, Transistors, Silicon, Tantalum pentoxide, Etching 07608
- Transistors, Metal oxide semiconductors, Field effect transistors, Stress 01236

Transducers,
- Accelerometers, Field effect transistors, Integrated circuits, Fabrication 01030
- Acoustic emissions, Instrumentation, Noise, Measurement, Nondestructive testing 05110
- Acoustic emissions, Ultrasonics, Frequency, Calibration, Standards 07498
- Acoustics, Detectors, Cryogenics, Liquid helium 09139
- Acoustics, Frequency, Holography, Welding, Deformation 03510
- Acoustics, Motor vehicles, Control systems, Automation, Economics 00622
- Acoustics, Polyvinylidene fluoride, Imaging, Dissertation 01076
- Acoustics, Radiators, Circuitry, Dissertation 09143
- Acoustics, Underwater technology, Calibration, Design 04731
- Acoustooptics, Design, Focusing, Signal processing, Dissertation 09142
- Acoustooptics, Modulation, Switching 01078
- Actuators, Magnetic variables control, Modeling, Dissertation 05234
- Amplitude, Modulation, Image processing, Ultrasonics, Acoustooptics 06386
- Automatic control, Machinery, Monitoring, Fault diagnosis 00451
- Biomedical engineering, Monitoring, Design, Integrated circuits, Dissertation 06992
- Calibration, Frequency, Measurement, Force, Modal analysis 05835
- Calibration, Vibration, Antennae, Electrostatics 09148
- Capacitance, Piezometers, Pressure, Volume measurement, Liquids 07514
- Carrier density, Pressure, Electric fields, Pn junctions, Bipolar transistors 01070
- Circuitry, Magnetic variables measurement, Optics, Current voltage, Lasers 09158
- Circuitry, Pressure, Measurement, Frequency, Loading 07502
- Circuitry, Pulses, Displacement, Measurement, Direction sensing 02403
- Coil winding machines, Joints, Welding, Pipes, Magnetic variables measurement 01079
- Computer aided control, Liquids, Density, Measurement 09155
- Cryogenics, Flow of gases, Measurement, Density 08497
- Design, Calibration, Gauges, Acoustics, Velocity 05112
- Diffraction, Pulses, Echo 08486
- Ecology, Resource management, Agriculture, Leaf wetting, Measurement 05842
- Eddy current, Amplitude, Phases, Conductivity 05845
- Eddy current, Nondestructive testing 04343
- Eddy current, Nondestructive testing, Magnetic variables control 03494
- Electric power generation, Frequency, Machinery, Wind, Control systems 08352
- Electric variables measurement, Nondestructive testing, Harmonics, Hardening 01073
- Electric variables measurement, Optics, Voltage 07499
- Electric variables measurement, Voltage, Computer aided analysis 00700
- Electromagnetic fields, Conductors, Eddy current, Rods 02656
- Electromagnetics, Acoustics, Nondestructive testing, Metals 09140
- Electromagnetics, Metals, Nondestructive testing, Reliability 06795
- Electromagnetics, Stability, Radiospectrometers 05086
- Excitation, Surface acoustic waves, Glass, Ceramics 05117
- Ferrites, Magnetization, Dynamics, Ni-Zn 04347
- Fiber optics, Accelerometers, Fabrication, Testing 07752
- Fiber optics, Flow measurement 07508
- Fiber optics, Wave propagation, Photoelasticity, Strain, Deformation 07756
- Flowmeters, Electromagnetics, Calibration, Precision engineering 08498
- Flowmeters, Piezoelectricity, Pressure 01069
- Flowmeters, Time measurement, Calibration, Pressure 02669
- Frequency, Acoustics, Transformers, Measurement, Ultrasonics 09149
- Frequency, Magnetic fields, Integrated circuits, Magnetometers, Charge carriers 01954
- Frequency, Power systems, Digital to analog conversion 04328
- Friction, Boundary layers, Coatings, Wear 02667
- Gallium arsenide, MESFET, Channels, Drift velocity, Transconductance 05973
- Gases, Discharges, Dosimetry, Avalanche 09156
- Gauges, Electrodes, Metrology 09151
- Gauges, Pressure, Stability, Vibration, Magnetic variables measurement 08391
- Heat treatment, Polymers, Moisture measurement, Ageing 02004
- Holograms, Acoustics, Data processing, Transmitters, Receivers 06862
- Imaging, Synthetic apertures, Acoustics, Computed tomography, Dissertation 05098
- Impedance, Magnetic variables measurement, Instrumentation, Reliability 05831
- Instrumentation, Magnetic variables measurement, Force, Structural analysis 05832
- Integrated circuits, Semiconductors, Sensors, Pressure 09130
- Magnetic fields, Pulse generation 01074
- Magnetic variables measurement, Accelerators, Automation, Synchrophasotrons 08508
- Magnetics, Charge carriers, Electric fields, Sensors 05846
- Magnetics, Oscillation, Optics, Stability 06840
- Magnetization, Measurements, Computer aided control 05091
- Magnetoresistance, Hall effect, Voltage, Configurations, Mathematical models 02668
- Magnetoresistivity, Hall effect, Signal to noise ratio, Noise 03114
- Magnetostatics, Oscillators, Circuitry, Tuning 07205
- Manometers, Electrostatics, Pressure, Transformers, Amplifiers 06873

Transducers, (continued)
- Materials testing, Density measurement, Reliability 09
- Materials testing, Inspection, Nondestructive testing 02
- Mathematical models, Fault detection, Nondestructive testing 02
- Measurement, Strain, Gauges, Structural analysis, Mechanical strength 09
- Medical electronics, Respiratory system, Fluid mechanics, Flow measurement 07
- Metrology, Frequency, Pressure, Depth measurement 09
- Microcomputers, Error, Voltage, Measurement, Frequency 05
- Microelectronics, Thin films, Langmuir-Blogett films 04
- Monitoring, Nuclear reactors, Strain measurement 08
- Noise, Amplifiers, Receivers, Signal processing 01
- Nondestructive testing, Acoustic emissions, State of the art 08
- Nondestructive testing, Acoustic emissions, Wave propagation 01
- Nondestructive testing, Inspection, Research and development 09
- Nondestructive testing, Magnetic variables control 08
- Nondestructive testing, Materials testing, Elasticity, Vibration 091
- Nondestructive testing, Metals, Flaw detection 02
- Nondestructive testing, Precision engineering, Nuts and bolts 01
- Nondestructive testing, Research and development 05
- Nondestructive testing, Scanners, Frequency, Charge carriers 04
- Nondestructive testing, Simulation, Electric variables control 07
- Nondestructive testing, Thickness measurement, Ultrasonics 09
- Optics, Inspection, Nondestructive testing, Frequency, Surface properties 05
- Oscillation, Composite materials, Vibration, Inspection, Loading 05
- Piezoelectricity, Acoustics, Arrays, Goal programming, Mathematical models 02
- Piezoelectricity, Circuitry, Voltage, Testing, Dissertation 09
- Piezoelectricity, Frequency, Numerical analysis 02
- Piezoelectricity, Polyvinylidene fluoride, Voltage 05
- Piezoelectricity, Pressure measurement, Polymers 01
- Piezoelectricity, Recording systems, Pressure, Lithium iodate, Video systems 09
- Pipes, Welding, Furnaces, Manufacturing, Inspection 05
- Polyvinylidene fluoride, Impedance, Computer aided analysis 02
- Precision engineering, Measurement errors, Nondestructive testing 09
- Pressure, Fiber optics, Mechanical strength, Stability 09
- Pressure, Field effect transistors, Noise, Modeling, Scaling 07
- Pressure measurement, Flow of gases 09
- Pressure measurement, Time measurement, Rocket engines, Missiles 00
- Pressure, Sensors, Computer aided control, Precision engineering, Testing 08
- Pressure, Temperature, Silicon, Thin films, Doping 04
- Reliability, Oxygen, Monitoring, Flow of gases 09
- Resonance, Frequency, Gauges, Strain 01
- Roller bearings, Vibration, Acoustic emissions, Frequency, Velocity 05
- Scanning, Biomedical engineering, Ultrasonics, Image processing 00
- Semiconductors, Silicon, Sensors, Reliability 05
- Semiconductors, Stannic oxide, Zinc oxide, Gases, Sensors 03
- Sensors, Biomedical electronics 091
- Sensors, Distance measurement, Ultrasonics 08
- Sensors, Magnetic variables measurement, Films, Flow 07
- Sensors, Surface properties, Robots, Optics, Assembling 07
- Signal processing, Logic circuits, Coaxial cables, Potentiometers 044
- Signal processing, Measurement, Vibration, Magnetic variables measurement 07
- Silicon, Diodes, Space charge, Thermal variables measurement 08
- Silicon, Diodes, Transistors, Thermodynamics, Simulation 07
- Simulation, Finite element method, Dynamics, Electromagnetics, Modeling 065
- Simulation, Tumors, Ultrasonics, Hyperthermia 070
- Sonar, Underwater technology, Specifications, Cables 047
- Spacecraft, Position control 091
- Stability, Calorimetry, Wattmeters 091
- Strain, Gauges, Thermodynamics 058
- Surface acoustic waves, Coupling, Lithium niobate, Silicon dioxide 051
- Surface acoustic waves, Deflectors, Waveguides, Integrated circuits 039
- Surface acoustic waves, Filters, Design, Modeling 051
- Surface acoustic waves, Filters, Modeling, Lithium niobate 091
- Surface acoustic waves, Recording systems 043
- Surface acoustic waves, Signal processing, Recording systems, Cutterheads 035
- Surface acoustic waves, Stylus 043
- Surface acoustic waves, Zinc oxide, Thin films, Structural analysis 056
- Telemetry, Circuitry, Biomedical engineering, Performance 069
- Telemetry, Circuitry, Fabrication 074
- Telemetry, Integrated circuits, Biology, Reliability 061
- Thermal conductivity, Measurement, Probes 058
- Thermal variables measurement, Standards, Laboratory testing 083
- Thermometers, Stability, Optics, Process control, Maintenance 050
- Thin films, Heat, Strain, Sensors, Integrated circuits 043
- Threshold, Calibration, Signals 043
- Torque, Machinery, Signal processing, Frequency, Displays 058
- Tractors, Performance, Microcomputers, Software development, Dissertation 087
- Ultrasonic transducers, Inspection, Materials testing, Flaw detection 026
- Ultrasonics, Coding, Simulation, Calibration, Nondestructive testing 035
- Ultrasonics, Excitation, Electromagnetic fields, Potentials 084
- Ultrasonics, Inspection, Drilling, Pipes 058
- Ultrasonics, Piezoelectricity, Receivers 055
- Ultrasonics, Resolution, Biomedical engineering, Image processing 019
- Ultrasonics, Vibration, Radiation, Acoustic emissions, Nondestructive testing 058
- Vibration, Measurement, Machinery, Economics, Purchasing 075
- Vibration, Piezoelectricity, Frequency 043
- Vibration, Strain, Measurement, Mechanical strength 091
- Voltage, Algorithms, Numerical analysis, Nonlinear equations, Current 026
- Voltage, Dielectrics, Polarization, Electrets 075
- Wave propagation, Surface acoustic waves, Silicon dioxide, Lithium niobate 0511
- Waveguides, Piezoelectricity, Electromagnetic waves, Distortion 0264
- Wavelengths, Image processing, Displays, Scanning, Acoustics 0199
- Welding, Crack propagation, Surface properties, Ultrasonics, Wave propagation 0847

Transfer functions,
- Approximations, Signals, Filters 0379
- Charge carriers, Signal to noise ratio, Modeling 0125

sfer functions, (continued)
rcuitry, Compensators, Design 00670
rcuitry, Differential transforms 05489
rcuitry, Fault detection 08776
rcuitry, Filters, Design, Digital recursive filters 08748
rcuitry, Filters, Precision engineering 02383
ommunication networks, Phase shift keying, Approximations, Linear equations 07179
ontrollers, Fault tolerance, Tracking, Parameter estimation, Lur'e plants 08560
elay, Filters, Fabrication 03801
esign, Circuitry, Filters, FIR filters 02380
edback, Control, Discrete time systems, Closed loop systems 05229
lters, Bandwidths, Frequency, Circuitry 08763
lters, Circuitry 07128
lters, Circuitry, Networks, Systems analysis 02396
lters, Design, Dissertation, Finite-word-length effects 00652
lters, Design, Iterative method 00651
lters, Distortion, Estimation, Error, Approximations 00635
lters, Gain, Bandwidths 05476
lters, Impulse response 05473
lters, Noise, Parameter estimation, Frequency, Matrices 08759
lters, Normal lattices, Noise, Gain 05434
lters, Oceanography, Wave propagation 07051
lters, Spectral analysis, Simulation 00669
lters, Stability, Delay 03796
lters, Stability, Noise 03778
lters, Synthesis, Network theory 07138
lters, Voltage, Synthesis, Switched capacitor filters 07112
lters, Wave-digital filters 05477
requency, Transformations, Regression analysis, Identification 05169
tegrated circuits, Current voltage, Synthesis, Dissertation 04450
attices, Filters, Algorithms, Parameter estimation, Numerical analysis 08750
atrices, Input output, Filters, Error, Dissertation 05437
etal oxide semiconductors, Equalizers, Amplifiers, CMOS 04653
odeling, Filters, Stability 05464
etworks, Delay, Hilbert transforms 02405
ptics, Imaging, Standards 02579
arameter estimation, Signal processing, Control systems, Pulses, Input output 02017
ulse code modulation, Signal processing, Filters, Time measurement 03195
ecursion, Filters, Delay, Transformations, Structural analysis 08754
ignal detection, Filters, Performance 05469
ignal processing, Reconstruction, Algorithms, Approximations, Filters 03137
oltage, Networks, Measurement 07168
nsformations,
ircuitry, Current voltage, Controllers, Numerical analysis 00672
ircuitry, Filters, Stability 05463
ircuitry, Limit cycles 03816
Coding, Pulse code modulation, Image processing, Algebra, Algorithms 07952
Communication networks, Functions, Fault detection, Circuitry, Logic 00668
Data transmission, Filters, Mapping, Delay, Design 00638
Filters, Frequency, Algorithms, Structural analysis, Polynomials 03782
Filters, Numerical analysis 05458
Filters, Stability, Convergence, Impulse response, Numerical analysis 00637
Filters, Stability, Storage, Recursion 03781
Filters, Structural analysis, Polynomials, Stability, Recursion 00643
Filters, Switching, Capacitors, Simulation, Circuitry 08741
Frequency, Transfer functions, Regression analysis, Identification 05169
Logic, Linkages, Position control, Representations 00385
Modeling, Synthesis, Parameter estimation, Filtering, Optimization 01543
Polynomials, Functions, Matrices, Numerical analysis 07148
Radar, Signal processing, Technology, Performance, Analog to digital conversion 06299
Recursion, Filters, Delay, Transfer functions, Structural analysis 08754
Satellite communications, Signal processing, Coding, Modulation, Formatting 01291
Scanning, Remote sensing, Mapping, Image processing, Automation 02185
Signal processing, Filters, Simulation, Prewarping, Automation 03799
ansformers,
Acoustics, Wave propagation, Velocity 09165
Ageing, Electric variables measurement 06584
Algorithms, Problem solving, Power plants, Loading, Flow 06611
Baluns, Balancing, Calibration, Computer aided control, Network analyzers 04350
Capacitors, Voltage, Networks, Power systems 07527
Chemical variables measurement, Oil, Industrial waste disposal 01737
Circuitry, Current voltage, Transistors 03458
Cleaning, Lubricants, Industrial waste disposal 01769
Converters, Magnetization, Voltage, Inductance 07528
Current, Drives, Tokamaks, Fusion, Nuclear reactors 00165
Current, Fault detection, Relays, Circuitry, Standards 01874
Current voltage, Noise, Superconductivity, Flux, Tunnel junctions 04271
Design, Manufacturing, Economics, Reliability, Service life 04910
Electric power distribution, Economics 08184
Electric power distribution, Insulators, Failure 08221
Electric power distribution, Loading, Reliability, Algorithms, Modeling 04930
Electric power distribution, Relays, Voltage, Comparators 08214
Electric power generation, Measurement, Voltage, Capacitors, Calibration 04933
Electric power transmission, Relays, Protection, Computer aided control 04351
Electrodes, Spark gaps, Voltage, Breakdown 01087
Electrooptics, Photoconductors, Thermal variables measurement 08914
Engineering, Circuitry, Education, Technology 03821
Epoxy resins, Combustion products, Chemical variables measurement 01088
Fault detection, Circuit breakers, Recovery systems, Generators, Voltage 01716
Fiber optics, Sensors, Thermal variables measurement, Data collection 06569
Fluidics, Dielectrics, Materials planning and control 00090
Gases, Chromatography, Oil refining, Identification, Reliability 05855
Government regulations, Contamination, Pollution control, PCB compounds 04912
mpedance, Design, Networks 01090
nduction motors, Voltage, Resistors 08160
nsulators, Silicone, Thermal variables measurement, Reliability 09175

Transformers, (continued)
Inverters, Voltage, Waveforms, Harmonics 02455
Inverters, Voltage, Waveforms, Modulation 08837
Leak detection, Magnetic fields, Dissipation 02674
Lubricants, Electric fields, Electrooptics, Space charge 01089
Magnetic fields, Coil winding machines, Steel, Finite element method 01086
Manometers, Electrostatics, Transducers, Amplifiers 06873
Materials recovery, Insulators, Oil, Chemical variables measurement 01739
Modeling, Control systems, Electric power generation, Flow, Voltage 09162
Modeling, Electromagnetics, Numerical analysis 06827
Modeling, Leak detection 05854
Noise abatement, Insulators, Shielding, Damping 01091
Nuclear reactors, Magnetic fields, Problem solving, Finite element method 09163
Oil, Discharges, Voltage, Lightning, Dielectric permittivity 01747
Oil, Electrostatics, Charge, Moisture measurement 09166
Oil, Laboratories, Measurement, Instrumentation, Research and development 04920
Oil, Thermal variables measurement, Additives, Paraffin, Testing 05856
Performance, Energy conservation, Costs 09168
Piezoelectricity, Filters, Circuitry 03810
Ports, Amplifiers, Frequency, Stability, Nonlinear programming 02676
Power plants, Generators, Electromagnetics, Computer aided analysis, Current 06547
Power systems, Monitoring 09167
Power systems, Optimization, Capacitors, Voltage, Induction motors 08357
Power systems, Transmission lines, Detectors, Current 08216
Silicone, Paper industry, Electronics, Equipment 04931
Simulation, Modeling, Circuitry, Magnetization, Structural analysis 01085
Solenoids, Rectifiers, Superconductivity, Signal converters 04288
Stability, Resonance, Research and development, Energy conversion 09164
Stress, Temperature, Crack propagation, Glass 07252
Superconductors, Couplers, Signal converters, Inductance 04268
Switchgear, Coal, Electric power generation, Reliability, Auxiliary systems 00135
Televisions, Circuitry, Receivers, Current voltage, Power consumption 09395
Televisions, Receivers, Coil winding machines, Magnetics 04349
Transmission lines, Nodes, Matrices, Admittance 01783
Vacuum technology, Current voltage, Fabrication, Injectors, Lead-ins 05166
Vibration, Harmonics, Damping, Balancing 01745
Voltage, Capacitors, Reactors, Triacs, Converters 08200
Voltage, Insulators, Thermal variables control, Icing 07242
Voltage, Power systems, Cables 08194
Waveforms, Current voltage, Capacitors, Rectifiers 04938
Transistors,
Amplifiers, Frequency, Pin diodes, Thin films 08804
Amplifiers, Noise, Frequency, Computer aided analysis 03839
Amplifiers, Thermal noise, Signal processing 07200
Automatic testing, Modeling, Metal oxide semiconductors 05947
Automation, Metal oxide semiconductors, Testing 04500
Bipolar devices, Circuitry, Logic, Memory, Technology 09283
Bipolar devices, Optics, Electronic equipment, Technology 04398
Bipolar devices, Performance, Simulation, Gallium arsenide, Integrated circuits 09199
Bipolar devices, Simulation, Computer programs, Dissertation 01169
Bipolar transistors, Charge, Lifetimes, Collectors, Current 07564
Bipolar transistors, Current, Modeling, Temperature, Dissertation 07565
Bipolar transistors, Current voltage, Series resistance 07560
Bipolar transistors, Heterojunctions, Liquid phase epitaxy, Performance, (In 05936
Bipolar transistors, Molecular beam epitaxy, Heterostructures, AlGaAs/GaAs 07573
Bipolar transistors, Npn junctions, Isolation, Fabrication 05985
Bipolar transistors, Oscillators, Amplifiers, Noise, Computer aided analysis 03863
Bipolar transistors, Oscillators, Heterojunctions, Numerical analysis 05532
Bipolar transistors, Silicon, MOSFET 01202
Bipolar transistors, Simulation, Finite difference method 05929
Bipolar transistors, Structural analysis, Saturation 04396
Cadmium sulfide, Thin films, Ytterbium oxide, Insulators 05958
Carrier mobility, Admittance, Electromagnetic waves, Noise 01174
Carrier mobility, Noise, Logic circuits 01172
Charge carriers, Injection, Electrodes, Heterojunctions 07569
Circuitry, Bipolar devices, Design, Performance 09264
Circuitry, Processors, Metal oxide semiconductors, Random access memory 09267
Circuitry, Read only memory, Programming, Random access memory, Microprocessors .. 04455
Circuitry, Voltage, Channels, Data collection 08717
CMOS, Circuitry, Design, Masks 07571
CMOS, Design, Voltage 09245
CMOS, Magnetic fields, Sensors, Polysilicon 03499
CMOS, Tantalum silicide, Channels, Work function, Very large scale integration 07649
Complementary transistors, Logic circuits, Mathematical models 02765
Computer graphics, Displays, Portability, Silicon, Semiconductors 07590
Computer programs, Modeling, Metal oxide semiconductors, Integrated circuits 07585
Converters, Current, Frequency, Stability, Integrated circuits 05540
Current voltage, Simulation, VMOS 05930
Diodes, Semiconductors, Circuitry 04372
Doping, Parameter estimation, Bipolar transistors 01158
Electric fields, Electron mobility, Hydrogenation, Amorphous materials, Silicon 09200
Electronic equipment, Troubleshooting 03815
Epitaxial growth, Doping, Pnp junctions, Current, Modeling 04400
Epitaxial growth, Integrated circuits, Metal oxide semiconductors 04437
Fabrication, Gain, Bandwidths 02835
Fabrication, Planar processes, Diffusion, Junctions, InGaAsP/InP 09239
Field effect transistors, Fabrication, Heterojunctions, Doping 07606
Field effect transistors, Silicon, Research and development 05935
Frequency, Noise, Thermal variables measurement 07575
Gain, Current, Bandwidths 01168
Gain, Tunnel junctions, Charge carriers, Metal insulator semiconductors 01165
Gallium arsenide, Doping, Numerical analysis, Surface properties 01177
Gallium arsenide, Epitaxial growth, Microwaves 04494
Gallium arsenide, Modeling, Switching, Structural analysis, Performance 07566
Gallium arsenide, Simulation, Performance, Prediction, Numerical analysis 05923
Gallium arsenide, Structural analysis, Electrons, Scattering, Optics 04395

Transistors, (continued)
Geometry, Silicon, Numerical analysis, Simulation, Structural analysis 02729
HEMT, MODFET, Switching, Gallium arsenide, Aluminum gallium arsenide 04392
HEMT, Voltage, Carrier concentration, Doping, Temperature 07562
Heterojunctions, Molecular beam epitaxy, Frequency, Performance, AlGaAs/GaAs 07567
Heterojunctions, Npn junctions, Frequency, Performance 05920
Indium phosphide, MISFET, Fabrication, Capacitance voltage 09243
Insulators, Interfaces, Displays, Integrated circuits, Doping 02775
Insulators, Logic circuits, Charge carriers, Service life 02733
Integrated circuits, Computer aided design, Automation, Testing, Technology 02793
Integrated circuits, Computer aided design, Fabrication 09269
Integrated circuits, Computer aided design, Fault tolerance, Monte Carlo method 05919
Integrated circuits, Computer aided design, Hierarchies, Performance 09279
Integrated circuits, Electrical engineering, User's guide 02815
Integrated circuits, Light emitting diodes, Heterojunctions, Optics 08903
Integrated circuits, Memory, Microprocessors, Metal oxide semiconductors 09266
Integrated circuits, Metal oxide semiconductors, Energy loss, Leak detection 01193
Integrated circuits, Metal oxide semiconductors, Modeling, CMOS latch-up 05943
Integrated circuits, Simulation, Time measurement, Computer aided design 07624
Integrated circuits, Structural analysis, Fabrication 01269
Inverters, Oscillation, Modeling 02417
Inverters, Oscillation, Modeling 05484
Inverters, Transportation, Controllers, Power systems 03301
ISFET, Electrochemistry, Charge, Sensors 04426
JMOS, Performance, Fabrication, Dielectrics 09250
Junctions, Noise, Tunneling 02723
Junctions, Resistance, Frequency 01171
Logic circuits, Integrated circuits, Failure, Fault detection, Maintenance 06063
Logic circuits, Microwaves, Fabrication 06038
Magnetic fields, Injection, Modulation, Optimization 05922
Magnetic fields, Switches, Frequency 06783
Magnetics, Sensors, Fabrication, Doping, Hall effect 06831
Marine engineering, Microwaves, Radar, Transmitters 04725
Memory, Integrated circuits, Deformation, Reliability 01223
Mesa transistors, Gallium arsenide, Noise, Current voltage, Switching 04438
MESFET, Amplifiers, Gallium arsenide, Computer aided design 08805
MESFET, Fabrication, Molecular beam epitaxy, Heterojunctions, Dissertation 09181
MESFET, Gallium arsenide, Annealing, Channels 05938
MESFET, Gallium arsenide, Current voltage, Scattering, Integrated circuits 09227
MESFET, Gallium arsenide, Dislocations, Voltage 09226
MESFET, Gallium arsenide, Doping, Channels, Performance 09235
MESFET, Gallium arsenide, Doping, Microwaves, Performance 05984
MESFET, Gallium arsenide, Fabrication, Transconductance 07603
MESFET, Gallium arsenide, Gates, Molecular beam epitaxy, Etching 09249
MESFET, Gallium arsenide, Integrated circuits 05957
MESFET, Gallium arsenide, Interfaces, Fabrication, Microwaves 05983
MESFET, Gallium arsenide, Ion implantation, Boron, Silicon 05967
MESFET, Gallium arsenide, Ion implantation, Microwaves 04831
MESFET, Gallium arsenide, Ion implantation, Transconductance, Carrier mobility 09253
MESFET, Gallium arsenide, Microwaves, Amplifiers, Stability 08811
MESFET, Gallium arsenide, Noise, Diffusion 07607
MESFET, Indium phosphide, Transconductance 07592
MESFET, Ion implantation, Gallium arsenide, Frequency, Performance 07599
MESFET, Microwaves, Amplification, Gallium arsenide 05964
MESFET, Microwaves, Gallium arsenide, Modeling 08070
MESFET, Mixers, Computer aided design 08072
MESFET, Passivation, Gallium arsenide, Silicon nitride, Silicon monoxide 07601
Metal insulator metals, Polypropylene, Thin films, Electroforming 09209
Metal insulator semiconductors, Solar cells, Carrier mobility 02509
Metal insulator semiconductors, Tunnel junctions, Injection, Silicon 07577
Metal insulator semiconductors, Tunneling, Capacitance voltage, Fabrication 01173
Metal nitride oxide semiconductors, Thermal variables measurement, Voltage 01203
Metal oxide semiconductors, Amplifiers, Modeling, Current voltage 02430
Metal oxide semiconductors, Annealing, Temperature, Ions, Concentration 04441
Metal oxide semiconductors, Capacitance 09247
Metal oxide semiconductors, Capacitance, Modeling 01188
Metal oxide semiconductors, Capacitance voltage, Pn junctions 02748
Metal oxide semiconductors, Circuitry, Design, Signal processing, Noise 05927
Metal oxide semiconductors, Circuitry, Thermal variables measurement, Current 05980
Metal oxide semiconductors, Current voltage, Channels, Doping 02740
Metal oxide semiconductors, Current voltage, Temperature, Electrical resistance 04440
Metal oxide semiconductors, Design, Logic circuits 05953
Metal oxide semiconductors, Design, Simulation, Dissertation 02744
Metal oxide semiconductors, Doping, Capacitance, Current 01237
Metal oxide semiconductors, Fabrication, Computer aided design 05942
Metal oxide semiconductors, Fabrication, Lasers, Crystallization, Silicon 09224
Metal oxide semiconductors, Fabrication, Logic circuits, Ion implantation 02761
Metal oxide semiconductors, Interfaces, Charge carriers, Transport properties 04443
Metal oxide semiconductors, Logic circuits, Channels, Voltage 02734
Metal oxide semiconductors, Microelectronics, Resistance, Breakdown 04429
Metal oxide semiconductors, Mirrors, Deformation, Modeling 07326
Metal oxide semiconductors, Modeling, Circuitry, Inverters, Data bases 01184
Metal oxide semiconductors, Random access memory, Channels, Radiation 04476
Metal oxide semiconductors, Sensors, Charge, Chemical variables measurement 09215
Metal oxide semiconductors, Signal processing, Electrostatics 04411
Metal oxide semiconductors, Structural analysis, Signal converters, Switching 01239
Microprocessors, Metal oxide semiconductors, Design, Radiation, Tolerance 04491
Microwaves, Amplifiers, Computer aided design 05516
Microwaves, Current, Parameter estimation, Modeling 01166
MISFET, Fabrication, Electrical properties, Germanium nitride, Dissertation 09228
MISFET, Gates, Capacitance, Charge, Voltage 07597
MISFET, Indium gallium arsenide, Transconductance, Current voltage 05073
MISFET, Indium phosphide, Tunneling, Injection, Capacitance voltage 05949
MNOS, Polarization, Kinematics, Temperature, Electric fields 05931
MNOS, Silicon nitride, Contacts, Injection, Degradation 05932
MODFET, Current voltage, Performance, Cryogenics, Thermal variables measurement ... 09244

Transistors, (continued)
MODFET, Fabrication, Ion implantation, Transconductance, Current voltage 059
MOSFET, Aluminum, Polysilicon, Fabrication, Heat treatment 076
MOSFET, Breakdown, Voltage, Dissertation 059
MOSFET, Channels, Performance, Numerical analysis 059
MOSFET, Channels, Potentials, Transconductance 092
MOSFET, Current voltage, Conductance 059
MOSFET, Degradation, Electrons, Injection, Channels 059
MOSFET, Degradation, Transconductance, Hot electrons 059
MOSFET, Design, Electric fields, Voltage, Channels 092
MOSFET, Design, Frequency, Capacitance 076
MOSFET, Fabrication, Channels, Tantalum, Silicon 092
MOSFET, Fabrication, Planar processes, Photolithography, Dissertation 059
MOSFET, Field effect transistors, Polysilicon, Channels 059
MOSFET, Indium phosphide, Insulators, Channels, Transport properties 075
MOSFET, Inverters, Switching, Frequency, Silicon 076
MOSFET, Noise, Carrier mobility, Voltage 076
MOSFET, Performance, Gases, Sensors 092
MOSFET, Silicon, Photodetectors 055
MOSFET, Silicon, Thin films, Current voltage, Carrier mobility 075
MOSFET, Silicon, Thin films, Grain boundaries 092
MTOS, Junctions, Signal processing, Amplification, Dissertation 059
NMOS, CMOS, Integrated circuits, Dissertation 059
NMOS, Silicon, Lasers, Crystallization, Fabrication 076
Phototransistors, Position control, Solar collectors, Solar cells 066
Pn junctions, Gallium arsenide, Masks, Space charge 011
Pn junctions, Silicon, Magnetic fields, Sensors 068
Ports, Amplifiers, Stability, Frequency 071
Power supply, Controllers, Switching 043
Power transistors, Amplifiers, Resistors, Parallel circuits 071
Power transistors, Metal oxide semiconductors, Switches 076
Power transistors, VDMOS, Electrical resistance, Optimization 044
Precision engineering, Thermal variables measurement 055
Quantum wells, Heterostructures, Voltage, Logic circuits, Fabrication 085
Random access memory, Circuitry, Optimization, Frequency, Control systems 044
Random access memory, Design, Logic circuits, Energy consumption 075
Random access memory, Storage, Capacitance, Silicon, Fabrication 076
Reliability, Passivation, Packaged components, Metal oxide semiconductors 012
Resistors, Integrated circuits, Fabrication, Annealing 027
Semiconductors, Charge carriers, Space charge, Schottky diodes 011
Semiconductors, Integrated circuits, Failure, Gold, Corrosion 038
Semiconductors, Reliability 059
Silicon, Contacts, Transconductance, Voltage, Capacitance 092
Silicon, Diodes, Thermodynamics, Simulation, Transducers 075
Silicon, Frequency, Impedance 027
Simulation, Metal oxide semiconductors, Current, Conductance 092
Superconductivity, Switches 040
Surface barrier transistors, Metal oxide semiconductors 027
Surface properties, Computer aided design, Metal oxide semiconductors, Modeling 075
Switches, Inverters, Amplifiers, Inductors, Capacitors 071
Switching, Breakdown, Voltage, Size measurement 011
Switching, Logic circuits, Design, Dissertation 075
Switching, Power systems, Snubbers, Bridges 024
Thin films, Silicon, Tantalum pentoxide, Etching, Transconductance 076
Threshold, Error, Integrated circuits 038
Thyristors, Transformers, Inverters, Interfaces, Photovoltaics 056
Transconductance, Metal oxide semiconductors, Field effect transistors, Stress 012
Transformers, Circuitry, Current voltage 034
Tunneling, Diodes, Networks, Resistivity 024
VMOST, Channels, Fabrication, Lithography, Metallization 044
Voltage, Bias, Drain, Noise, Thermal variables measurement 012
Voltage, Control systems, Metal oxide semiconductors, Current density 092
Voltage, Power systems, Inverters, Transportation 033
Voltage, Pulse generation, Amplifiers 024

Transition metals,
Electrical conductivity, Oxidation, Thermogravimetry, X-ray diffraction 068
Thin films, Superconductors, Temperature, Tunneling, SN 057

Translation,
Signal processing, Multiplexing, Communication networks, Systems design 012

Transmission,
Access, Local area networks, Protocols, Simulation 046
Access, Packet switching, Satellite communications, Throughput 031
Antennae, Numerical analysis 0811
Architecture, Local area networks, Protocols, Robustness 047
Arrays, Random processes, Signal to noise ratio, Modulation, Relays 029
Broadcasting, Antennae, Control systems 0321
Cables, Fiber optics, Underwater technology, Marine engineering 077
Channels, Access, Packet switching 063
Channels, Noise, Parameter estimation 0792
Channels, Noise, Signal to noise ratio 015
Channels, Radio communications, Mobile systems 0452
Channels, Radio communications, Noise 0769
Communication networks, Compatibility, Multiprocessors, Switching, S/NET 0463
Communication networks, Information retrieval, Fiber optics, EPCOT Center 0773
Communication networks, Local area networks, Systems analysis 0709
Communication networks, Packet switching, Architecture, Routing, MININET 0476
Communication networks, Switching, Modularity, ITT5500 0465
Communications, Bandwidths, Channels, Feedback, Noise 0478
Communications, Fiber optics, State of the art 0132
Communications, Modulation, Noise 0799
Communications, Noise, Error correcting codes 0796
Communications, Technology, Teleports 0783
Data communications, Monitoring, Communication networks, Infotron ANM-800 0621
Data communications, Networks, Reliability 0462
Data communications, Switching, Communication networks 0621
Electric power generation, Stability, Reactance, Slip, Identification 0346

mission, (continued)
tronic mail, Security, Cryptography 03030
tronic mail, Standards, Compatibility 06224
ctronic mail, Systems analysis 09448
r, Channels, Frequency shift keying 07935
er optics, Chemical vapor deposition, Fabrication, Performance 09373
er optics, Design, Performance 07759
er optics, Image processing, Refractive indices, Filters, Coding 01345
er optics, Local area networks, Protocols, Hubnet 04571
er optics, Receivers, Design, Wavelengths 09390
er optics, Telephones, Light emitting diodes, Junctions 09369
er optics, Wavelengths, Fabrication, Performance 09368
ers, Signal processing, Circuitry, Switching, Voltage 00655
quency, Time domain, Research and development 04773
ge processing, Resolution, Quality control 09566
ium gallium arsenide, Photodetectors, Transmitters, Receivers 09370
cal area networks, Fiber optics, Japan, State of the art 07739
cal area networks, Interconnection, Access, Multiplexing, SILK 04634
cal area networks, Packet switching, Expressnet, Fasnet 04667
cal area networks, Protocols, Compatibility, Ethernet, CSMA/CD 09436
thematical models, Communications, Channels, Crisis calls 03123
crographics, Image processing, Technology, Research and development 02921
llimeter waves, Waveguides, Couplers, Image processing 09109
nimax, Multiplexing, Channels, Delay 07996
deling, Communications, Noise, Threshold detectors 07988
deling, Interference, Channels, Coding 07926
deling, Networks, Access 03155
odulation, Communications, Signal reception, Channels 07936
odulation, Phase shift keying, Spread spectrum communications 03190
ultiplexing, Communications, Fiber optics 06122
ultiplexing, Image processing, Fiber optics 04567
etworks, Fiber optics, Architecture, Economics 07728
etworks, Signal processing, Research and development, Japan 09574
etworks, Switching, Performance Monitoring, Intelli-Max 07096
umerical analysis, Circuitry, Passivity criterion, LTI networks 02410
ffice automation, Facsimile systems, Technological forecasting 02989
ffice automation, Networks, Data communications 07831
ptical communications, Noise, Error detecting codes 07706
larization, Rotating bodies, Antennae 06479
ower systems, Stability, Mathematical models 08196
ivate automatic branch exchange, State of the art, Technological forecasting 09465
ivate branch exchange, Switching, Architecture, Speech recognition 07084
ulses, Signal processing, Filtering, Radar 01527
adiation, Cryogenics, Receivers, Materials testing 07443
adio communications, Frequency, Simultaneous transmission 04530
adio communications, Mobile systems, Modulation 09315
adio communications, Packet switching, Protocols 01308
adio communications, Protocols, Decoding 02900
adios, Frequency, Degradation 06111
eceivers, Televisions, Signal processing, Multiplexing, Time compression 02970
atellite communications, Filters, Systems design 04780
atellite communications, Interference 03652
atellite communications, Packet switching, Channels 03159
atellite communications, Switching, Reliability, Japan 09415
atellite communications, Systems analysis 07794
ignal processing, Damping, VAR compensators 08229
ignal processing, Filters, Impulse response, Kalman filters 05474
ignal processing, Speech recognition, Quality control 01589
ignal to noise ratio, Filters, Channels 02398
ignals, Jitter, Time measurement, Filters 03168
peech recognition, Signal processing, Technological forecasting 04684
elecommunications, Networks, Planning, Modeling 09305
elecommunications, Packet switching, Transborder data flow 09468
elevisions, Satellite communications, State of the art 09405
elevisions, Telephones, Receivers, Image processing 09403
raffic, Switching, Parameter estimation 09552
nsmission electron microscopy,
rystal defects, Iron, Neutrons, Irradiation 00372
lectromagnetics, Wave propagation, Numerical analysis 06426
Vriting, Electron beams, Manganese stearate 00831
nsmission lines,
ccelerators, Coupling, Magnetic fields, Diodes, Dissertation 07473
lgorithms, Numerical analysis, Laplace transforms, Cables, Loading 09086
ntennae, Coaxial cables, Numerical analysis 04850
ntennae, Radiation, Distortion 03254
ridges, Signal converters, Harmonics, Interference 01037
roadcasting, Radio frequency, Phase shifts, Irradiation, Distortion 03205
uses, Circuit breakers, Automatic control, Switching, Power systems, Airports 03637
ables, Breakdown, Numerical analysis 08197
ables, Cost benefit analysis, Power systems 01740
ables, Coupling, Impedance, Frequency 07478
ables, Economics, Wires, Estimation, Buildings 09471
ables, Insulators, Joints, Molding 00133
ables, Insulators, Laminates, Paper 08205
ables, Insulators, Product development, Polymers 01724
ables, Power systems, Cement industry 06561
ables, Voltage, Codes, Procedures 05555
alibration, Balancing, Damping, Electric power generation, Voltage 01871
alibration, Reflectometers, Networks, Microwave radiation 01647
apacitance, Dielectrics, Coaxial cables 04303
apacitance, Excitation, Voltage, Capacitors 00089
apacitance, Impedance, Microstrips, Numerical analysis 09102
apacitance, Mapping, Coupling 07479
harge carriers, Channels, Thermal variables measurement 07477
ircuitry, Modeling 03811
oaxial cables, Circuitry, Parameter estimation, Dielectrics, Measurement 04305

Transmission lines, (continued)
Coaxial cables, Potentiometers, Field effect transistors, Integrated circuits 04445
Communication networks, Access, Terminals, Workstations, Allocation 08715
Communication networks, Admittance, Impedance, Circuitry 04778
Communication networks, Economics 08720
Communication networks, Frequency, Information services, Terminals 06358
Communication networks, Interfaces, Channels, Integrated systems, Pulses 03163
Communication networks, Traffic, Control systems, Modeling 06351
Communications, Design, Modules, Telephones 07851
Computer aided analysis, Conductors, Ampacity, Thermal variables measurement 00116
Computer aided analysis, Electricity, Grounding, Risk assessment 01035
Computer aided control, Optimization, Security, Economics 08182
Computer aided design, Electric power generation, Safety systems 04925
Conductors, Dielectrics, Dissipation 08062
Conductors, Distributed circuits, Couplings 02421
Conductors, Fatigue, Vibration, Strain gauges 00708
Conductors, Harmonics, Magnetic fields 06562
Conductors, Thermal variables measurement, Computer aided analysis 01039
Conductors, Waveguides, Impedance 00707
Connectors, Charge carriers, Power systems, Telecommunications 03298
Connectors, Fiber optics, Tolerance, Alignment 02935
Converters, Thyristors, Mathematical models, Book 08839
Corona, Noise, Electric fields, Performance 02643
Coupling, Circuitry, Impedance 08061
Coupling, Computer aided analysis, Voltage, Attenuation 08202
Cryogenics, Materials testing, Pressure, Heat transfer 00113
Cryogenics, Solenoids, Superconductivity, Magnets 04204
Cryogenics, Superconductivity, Fabrication 04260
Current density, Shielding, Iron, Magnets 04187
Current, Magnetics, Insulators, Electric fields, Accelerators 09103
Current voltage, Integral equations, Mathematical models 09089
Damping, Fault tolerance, Simulation 06594
Deformation, Fluidics, Conductors 01038
Delay, Filtering, Signal processing, Superconductivity, Analog systems 04056
Design, Conductors, Theoretical analysis 09095
Design, Loading, Reliability, Mechanical strength, Numerical analysis 05818
Design, Reliability, Failure, Probability, Loading 05817
Dielectrics, Waveguides, Filters 09110
Diffusion, Materials planning and control, Superconductors, Niobium compounds 04275
Digital systems, Composite materials, Wire, Fiber optics 07755
Dipoles, Antennae, Electric fields, Probes 08451
Dissipation, Optimization, Capacitors, Switching, Voltage 01743
Dosimetry, Ions, Space charge, Counters 00753
Dynamics, Loading, Structural analysis, Programming languages, Modeling 09087
Education, Power plants, Pollution control, Environmental protection 05433
Electric fields, Current, Performance, Statistical analysis 08211
Electric fields, Magnetic fields, Measurement, Topography, Statistical analysis 09097
Electric fields, Rubber, Insulators, Protection 00112
Electric fields, Voltage, Bipolar devices, Conductivity, Ion current density 01042
Electric power distribution, Frequency, Data collection 01876
Electric power generation, Current, Relays, Mathematical models, Dissertation 05022
Electric power generation, Electromagnetics, Voltage, Hilbert transforms 07465
Electric power generation, Frequency, Dissertation 08366
Electric power generation, Loading, Flow, Economics, Scheduling 05029
Electric power generation, Relays, Microcomputers, Protection, Dissertation 01844
Electric power generation, Stability, Voltage, Networks, Numerical analysis 01749
Electric power transmission, Computer aided control, Research and development 04922
Electric power transmission, Insulators, Contamination, Simulation 04923
Electric power transmission, Measurements, Signal processing, Circuitry 09091
Electric power transmission, Underwater technology, Norway 03304
Electric variables control, Simulation 06567
Electrodes, Current, Lightning, Conductors, Grounding 01725
Electromagnetic fields, Acoustics, Mapping, Minerals and ores 03218
Electromagnetic fields, Inductance, Conductors, Voltage 00714
Electromagnetics, Interference, Computer aided analysis, Dissertation 06451
Electromagnetics, Scattering, Impedance, Integral equations, Dissertation 08006
Electromagnetics, Wave propagation, Dielectrics, Interfaces, Dissertation 08040
Fabrication, Fault detection, Polyethylene, Insulators, Stress 00130
Fault detection, Computer aided analysis 09101
Fault detection, Insulators, Voltage, Corona, Discharges 00100
Fault detection, Voltage, Switching, Circuit breakers, Mining 03833
Fiber optics, Telecommunications, Grounding 00094
Fiber optics, Telecommunications, Splicing 01376
Fiber optics, Telecommunications, Wavelengths, Trunks, Research and development 02929
Fiber optics, Telephones, Technology, North America 02927
Fiber optics, Telephones, Trunks, Testing, Europe 02926
Filters, Algorithms, Protection, Differential equations, Modeling 01730
Filters, Circuitry, Frequency, Fabrication, Performance 04829
Finite element method, Approximations, Current, Density 01772
Fourier transforms, Impedance, Numerical analysis 07470
Frequency, Coaxial cables, Spectral analysis 01041
Gallium arsenide, Generators, Error detection, Fiber optics 06002
Grounding, Resistivity, Measurement, Computer aided analysis 08274
Harmonics, Current voltage 07474
Ignition, Fuel technology, Voltage, Discharges 00092
Impedance, Conductors, Capacitance 03465
Impedance, Cross sectional control, Electric variables control 04306
Impedance, Fault detection, Relays, Filters, Algorithms 01731
Impedance, Pulse generation, Switching, Power systems 09104
Insulators, Cables, Dielectricity, Polyethylene 00720
Insulators, Composite materials, Rubber 00134
Insulators, Conductors, Repair, Cables 00132
Insulators, Dielectrics, Fault detection, Current 08198
Insulators, Oil, Coolants 02475
Insulators, Polyolefins, Electric power transmission, Cables 01746
Integrated circuits, Short circuits, Superconductors, Magnetic fields 04242

Transmission lines, (continued)
- Interference, Signal to noise ratio, Televisions, Quality control 01036
- Interrupters, Circuitry, Electrodes, Voltage, Fuses 08190
- Josephson junctions, Inductance, Mathematical models, Computer aided analysis 04267
- Junctions, Waveguides, Modes 01044
- Leak detection, Conductors, Flowmeters 00125
- Lightning, Electric power distribution, Voltage, Wavefronts, Counters 00098
- Loading, Electric variables control, Simulation, Waves, Computer programs 05821
- Local area networks, Fiber optics, Economics, Error 02920
- Logic, Wires 01034
- Magnetic fields, Electric fields, Charge, Safety 01741
- Magnetic fields, Power systems, Current, Harmonics, Measurement 09099
- Magnetic fields, Public health, Biology, Electric fields 04914
- Maintenance, Radio communications, Mobile systems 04533
- Mathematical models, Grounding 04913
- Mathematical models, Terminals, Circuitry, Fault detection, Dissertation 09085
- Measurement, Dielectrics, Numerical analysis 09171
- Microprocessors, Josephson junctions, Modeling, Circuitry, Current voltage 04294
- Microstrips, Millimeter waves, Phase shifts, Couplers, Oscillators 09093
- Microstrips, Numerical analysis 09098
- Modeling, Circuitry, Current voltage, Impedance, Simulation 03308
- Modeling, Electric variables control 04911
- Modeling, Impedance, Attenuation, Programming languages 07468
- Networks, Circuitry, Design, Coupling 05499
- Noise, Testing, Atmospheric conditions 09105
- Numerical analysis, Switching, Power systems, Networks 00155
- Optics, Modulation, Admittance, Circuitry, Numerical analysis 04301
- Oscillation, Damping, Energy storage components, Superconductivity 04282
- Performance, Statistical analysis, Outage 08219
- Phases, Compaction, Switching 07475
- Polymers, Deformation, Chemical variables measurement, Insulators 00115
- Power supply, Voltage, Input output, Protection, Controllers 03306
- Power systems, Harmonics, Simulation, Circuit breakers, Rapid transit systems 03766
- Power systems, Transformers, Detectors, Current 08216
- Protection, Monitoring, Multiprocessors 01736
- Reflection, Wave propagation, Mathematical models, Laplace transforms 09094
- Relays, Cables, Voltage, Protection 06596
- Relays, Design, Protection 06597
- Relays, Power systems, Protection, Optimization 08207
- Repair, Telephones, Microfilm 01474
- Resistivity, Electrodeposition, Ohmic contacts, Solar cells 00782
- Resonance, Frequency, Mathematical models 06601
- Resonance, Frequency, Numerical analysis 06602
- Resonance, Phase shifts, Circuit breakers, Current 01720
- Satellite communications, Image processing, Random access memory, Buffers 03050
- Satellite communications, Microwave devices, Integrated systems 01397
- Scattering, Electromagnetic fields, Electromagnetic fields 03208
- Sensors, Current density, Measurement errors, Electric fields 07476
- Service life, Signal converters, Filters 02635
- Silicon, Aluminum, Contacts, Electrical resistivity, Doping 05074
- Simulation, Computer aided instruction, Microcomputers, Current voltage 04302
- Simulation, Fault detection, Current voltage 07469
- Simulation, Signal processing, Superconductivity, Josephson junctions 04076
- Software development, Lightning, Simulation, Voltage 04924
- Solenoids, Superconductivity, Magnets, Linear accelerators 04128
- Solenoids, Superconductivity, Performance, Conductors 04257
- Solenoids, Superconductivity, Pulse generation 04258
- Solenoids, Superconductivity, Soldering 04259
- Solitons, Wave propagation, Coupling, Kinematics 06416
- Sulfur fluoride, Conductors, Insulators 07241
- Superconductivity, Cryogenics, Electric power generation, Energy conversion 04262
- Superconductivity, Insulators, Cryogenics, Materials testing 04261
- Superconductivity, Magnetic fields, Current, Inductance 04279
- Superconductivity, Magnets, Thermal variables measurement, Voltage 04225
- Superconductors, Cables, Power, Product development 06678
- Superconductors, Convolvers, Signal processing, Tunnel junctions, Mixers 04059
- Superconductors, Cryogenics, Solenoids, Strain, Niobium compounds 04290
- Surface properties, Spark gaps, Switches, Nitrogen sulfur fluoride 02644
- Surge arresters, Lightning, Switches, Corona, Modeling 01040
- Surges, Wave propagation, Traveling waves, Fault detection 01763
- Switches, Fault detection, Testing 02642
- Switching, Generators, Control systems 06587
- Synchronization, Resonance, Reliability, Newton's method, Numerical analysis 05819
- Telecommunications, Broadcasting, Routing, Channels, Modeling 06173
- Telecommunications, Local area networks, Distributed systems, Testing 06248
- Telecommunications, Output devices, Magnetic tapes, Interfaces 01329
- Telecommunications, Software, Networks, Economics 02987
- Telephones, Harmonics, Magnetic fields, Voltage, Interference 01466
- Telephones, Networks, Channels 07945
- Telephones, Telecommunications, Underwater technology, New Zealand 01463
- Televisions, Broadcasting, Telecommunications, Fiber optics 02933
- Thermal variables control, Linear accelerators, Superconductivity, Magnets 04156
- Thermal variables measurement, Computer aided analysis, Conductors, Current 00114
- Thermal variables measurement, Current density, Niobium compounds 04283
- Tin, Composite materials, Superconductors 04191
- Transformers, Admittance, Matrices, Nodes 01783
- Traveling wave tubes, Computer aided design, Collectors 07253
- Traveling waves, Surges, Lightning, Impedance 01722
- Underwater technology, Data transmission, Fiber optics, Channels 01370
- Urban planning, Cables, Protection, Fiber optics 06143
- Video systems, Teleconferencing, Image processing, Displays, Data compression 06159
- Voltage, Electric power transmission, Numerical analysis 00087
- Voltage, Protection, Relays, Electromagnetic waves, Detectors 01718
- Voltage, Service life, Breakdown, Polymers 00101
- Voltage, Switching, Circuit breakers, Systems design 01775
- Voltage, Traveling waves, Josephson junctions, Numerical analysis 09096

Transmission lines, (continued)
- Wave propagation, Electromagnetic waves, Plasmas, Attenuation 064
- Waveguides, Electromagnetics, Cells, Coupling, Dissertation 09
- Waveguides, Junctions, Filters, Tuning 07
- Waveguides, Tuning, Impedance 09
- Wear, Thermal insulation, Maintenance, Inspection 00
- Welding, Ultrasonics 00

Transmission systems,
- Locomotives, Drives, Adhesion, Electric variables measurement, Modeling 04

Transmittance,
- Conductors, Reflectance, Infrared, Electrodeposition, Optical variables control 007
- Reflectance, Coatings, Filters 008

Transmitters,
- Ceramics, Sensors, Thermal variables measurement 08
- Electrical resistivity, Receivers, Soil science, Remote sensing 03
- Gallium arsenide, Electrooptics, Semiconductor lasers, Multiplexers 07
- Holograms, Acoustics, Transducers, Data processing, Receivers 06
- Infrared, Diodes, Modulation, Gallium arsenide, Electrooptics 08
- Klystrons, Amplifiers, Signal processing, Radar, Accelerators 08
- Marine engineering, Microwaves, Radar, Transistors 047
- Microprocessors, Instrumentation, Maintenance, Economics, Calibration 09
- Millimeter waves, Mixers, Waveguides, Performance 064
- Pulse generation, Wave propagation, Electromagnetic waves, Antennae 04
- Receivers, Transmission, Photodetectors, InGaAs/InP 09
- Signal processing, Oscillators, Detectors, Gas lasers 00
- Wave propagation, Plasmas, Modeling, Ionosphere, Heterodyne reception 07

Transponders,
- Beacons, Antennae, Design, Performance 08
- Data transmission, Channels, Satellites 004
- Satellite communications, Channels, Circuitry 094
- Satellites, Computer aided control, Televisions, Radios 01
- Satellites, Televisions, Signal transmission, Multiplexing 02

Transport properties,
- MOSFET, Channels, Indium phosphide, Aluminum oxide, Silicon dioxide 07
- Resistors, Films, Thermal variables measurement, Modeling 05
- Semiconductors, Doping, Hall effect, Electrical resistance, Temperature 06
- Semiconductors, Numerical analysis, Newton method 07
- Solar cells, Charge carriers, Surface properties, Diffusion 072

Transportation,
- Aircraft, Position control, Legislation, Economics, Navstar 094
- Brakes, Thyristors, Power systems, Stability, Mathematical models 081
- Control systems, Frequency, Signals, Optimization, Modeling 071
- Electric vehicles, Systems analysis, Technological forecasting 023
- Inverters, Transistors, Controllers, Power systems 033
- Inverters, Transistors, Voltage, Power systems 033
- Management information systems, Communication networks, Microcomputers 030
- Motors, Research and development, Electrical engineering 065
- Product development, Aerodynamics, Motor vehicles, Dissertation 023
- Railway engineering, Communications, Control systems 028
- Railway engineering, Scheduling, Automation, Optimization 023
- Routing, Networks, Planning, Data bases, United Kingdom 006
- Saudi Arabia, Marine transportation, Navigation, Radios, Loran-C 094
- Space technology, Technological forecasting, Planning, Economics 086
- Technology, Railway engineering, Propulsion, State of the art 037

Trapping,
- Metal oxide semiconductors, Capacitors, Voltage, Gamma radiation 055
- Silicon, Diodes, Illumination, Degradation 059
- Silicon nitride, Films, Kinetics, NMOS, Photoelectric effect 075

Traps,
- Silicon dioxide, Boron, Ion implantation, Metal oxide semiconductors 059

Traveling wave tubes,
- Amplifiers, Frequency, Filters, Distortion 024
- Amplifiers, Satellites, Klystrons, Helical antennae 014
- Channels, Data transmission, Satellite communications, Amplifiers, Reliability 055
- Circuitry, Electron beams, Magnetic fields, Signal processing, Gyro-TWT 088
- Electromagnetic waves, Collectors, Computer aided design 072
- IMPATT diodes, Satellite communications, Amplifiers, Antennae 006
- Phase locked loops, Numerical analysis, Computer aided analysis, Simulation 089
- Satellite communications, Signal transmission, Amplifiers, Noise, Dissertation 031

Travelling waves,
- Field effect transistors, Electrode systems, Modeling 059

Tribology,
- Surface properties, Holography, Optics 035

Triodes,
- Switches, Current voltage, Space charge, Simulation 011

Tritium,
- Diffusion, Fusion, Nuclear reactors, Design 001
- Tokamaks, Fusion reactors, Magnets, Cooling systems 001

Troposphere,
- Aerosols, Optics, Remote sensing, Lidar, Dissertation 0951
- Electromagnetic fields, Wave propagation, Maxwell equations 0031
- Electromagnetic waves, Wave propagation, Scattering, Refractive indices 0643
- Radio waves, Wave propagation, Water vapor, Meteorology, Atmospheric conditions 0801
- Ray tracing, Radio waves, Wave propagation, Numerical analysis 0804

Troubleshooting,
- Electronic equipment, Circuitry, Transistors 038
- Telecommunications, Networks, Maintenance, Fault detection 0465

Trunks,
- Fiber optics, Signal transmission, Technology, Communication networks 0292
- Fiber optics, Telephones, Transmission lines, Testing, Europe 0292
- Fiber optics, Transmission lines, Telecommunications, Wavelengths 0292

Tumors,
- Cancer, Ultrasonics, Computed tomography, Hepatocellular carcinoma 0863
- Computed tomography, NMR, Radiation dosimetry 0213
- Dose response effects, Ultrasonics, Hyperthermia, Tissues 0700
- Metabolism, Neutron activation analysis, Radiation dosimetry, Radiology 0212

cors, (continued)
croscopy, Scanning, Acoustics ... 08485
clear medicine, Radiation dosimetry, Instrumentation, Radiology ... 02130
rasonics, Hyperthermia, Transducers, Simulation ... 07001
gsten,
rrosion resistance, Packaged components, Integrated circuits ... 02785
ffusion, Noble gases, Optical systems ... 03958
ectrical conductivity, Thrusters, Insulators, Thermal variables measurement ... 08845
ansport properties, Diffusion, Lamps, Halogens ... 03960
gsten carbide,
rrosion, Phosphoric acid, Catalysts, Dissolution ... 04972
trasonics, Nondestructive testing, Fracture, Toughness ... 00331
gsten silicide,
etal oxide semiconductors, Integrated circuits, Interfaces ... 02861
ng,
ntennae, Modeling ... 08107
as, Impedance, Radio frequency, Superconductivity ... 04121
arrier waves, Thermal variables control, IMPATT diodes, Packaged components ... 01128
annels, Frequency, Switching, Semiconductor lasers ... 07377
onductors, Control systems, Atmospheric conditions, Galloping ... 08846
ontrollers, Phase locked loops, Circuitry, Metal oxide semiconductors ... 03198
ectric power generation, Stability, Computer aided control ... 04901
ectric variables control, Frequency, Spectrometers, Oscillators ... 03861
merald, Lasers, Pumping, Excitation ... 05743
xcimer lasers, Converters, Raman scattering ... 05744
ar infrared, Emissions, Gallium arsenide, Indium antimonide ... 09201
requency, Antennae, Illumination, Electric power transmission ... 06433
requency, Excimer lasers, Dye lasers, Ultraviolet ... 05054
requency, Gas lasers, Resonators, Injection ... 09010
requency, Gyrotrons, Resonance, Masers ... 06467
requency, Mode selectors, Carbon dioxide, Gas lasers ... 07395
requency, Oscillators, Field effect transistors ... 03858
as lasers, Design, Waveguides, Pressure ... 09011
lass lasers, Radiation, Remote sensing, Atmospheric conditions ... 09032
unn effect, Oscillators, Design, Waveguides ... 08067
unn effect, Oscillators, Waveguides, Klystrons ... 06452
yrotrons, Frequency, Signal processing, Numerical analysis ... 06468
frared, Dye lasers, Pulse generation, Stability ... 09023
frared, Lasers, Fluorescence, Potassium bromide, Potassium chloride ... 08986
tegrated circuits, Frequency, Channels, Signal transmission, Televisions ... 02973
tegrators, Amplifiers, Circuitry, Fabrication ... 07195
asers, Michelson interferometers, Sensors, Theoretical analysis ... 07337
asers, Radiation, Electron beams, Free electron lasers ... 04005
ght emitting diodes, Gallium arsenide, Gamma radiation, Photoemissions ... 05678
agnetostatics, Oscillators, Transducers, Circuitry ... 07205
icrowaves, Dielectrics, Filters, Frequency ... 08087
icrowaves, Stepping motors, Computer aided control ... 06114
olecules, Lasers, Pumping, Frequency ... 08969
eodymium, Glass, Lasers, Research and development ... 00942
scillators, Noise, Numerical analysis ... 04735
ressure, Gas lasers, Waveguides, Frequency, Design ... 09028
uartz, Image processing, Gunn oscillators, Waveguides ... 05533
eceivers, Amplifiers, Varactors, Diodes, Modulation ... 07198
emiconductor lasers, Frequency, Modulation, Power ... 05738
emiconductor lasers, Pumping, Temperature, Reflection ... 07382
tability, Neodymium, YAG lasers, Injection ... 07378
aractors, Capacitance, Fabrication, Silicon ... 08852
Wave propagation, Frequency, Superconductors ... 04052
Waveguides, Transmission lines, Impedance ... 09092
Waveguides, Transmission lines, Junctions, Filters ... 07488
nnel junctions,
Charge carriers, Metal insulator semiconductors, Gain, Transistors ... 01165
Current, Superconductivity, Josephson junctions, Noise ... 04157
Current voltage, Doping, Lead, Josephson junctions ... 04215
Current voltage, Temperature, Cryogenics, Electrical resistance ... 02614
Diodes, Resonance, Superconductivity, $Nb-Nb_2O_5$ ... 04220
Fabrication, Magnetrons, Integrated circuits, Josephson junctions, Niobium ... 04462
Fabrication, Schottky diodes, Integrated circuits ... 04240
Flux, Transformers, Current voltage, Noise, Superconductivity ... 04271
Hamiltonians, Superconductivity, Conductors, Dissertation ... 00299
ntegrated circuits, Resistors, Superconductivity, Josephson junctions ... 04512
osephson junctions, Alpha radiation, Current density, Switching ... 04208
osephson junctions, Current density, Schottky diodes, Magnetrons ... 04221
osephson junctions, Current density, Superconductivity ... 04218
osephson junctions, Current voltage, Current density ... 04243
osephson junctions, Current voltage, Magnetic fields ... 04244
osephson junctions, Electromagnetics, Coupling, Films ... 09062
osephson junctions, Fabrication, Current voltage, Microelectronics ... 07447
osephson junctions, Fluxons, Magnetic fields ... 04234
osephson junctions, Integrated circuits, Current density ... 04222
osephson junctions, Integrated circuits, Logic circuits, Niobium ... 04070
osephson junctions, Microwaves, Magnetic fields, Emissions ... 04110
osephson junctions, Microwaves, Superconductivity, Magnetics, Networks ... 04178
osephson junctions, Niobium germanide, Fabrication ... 04189
osephson junctions, Refractories, Interfaces, Etching, Integrated circuits ... 04105
osephson junctions, Simulation, Logic circuits, Time measurement, Current ... 04075
osephson junctions, Sputtering, Film growth, Temperature, NbN/Pb ... 04203
osephson junctions, Superconductivity, Magnetic fields, Current ... 05803
osephson junctions, Superconductivity, Niobium, Niobium oxide ... 04219
Light, Emissions, Surface properties, Plasmons, Polaritons ... 09204
Millimeter waves, Superconductivity, Josephson junctions, Fabrication ... 04224
Mixers, Millimeter waves, Numerical analysis ... 07209
Mixers, Noise, Temperature, Current voltage, Receivers ... 07576
Niobium, Current density, Microwaves, Josephson junctions, Current voltage ... 04098
Niobium, Josephson effect, Fabrication, Current density, Lithography ... 05805
Niobium, Silicon, Schottky diodes ... 04211

Tunnel junctions, (continued)
Noise, Breakdown, Josephson junctions ... 04162
Noise, Signal converters, Superconductivity, Josephson junctions, Switching ... 04177
Radio astronomy, Receivers, Mixers, Amplifiers ... 06494
Schottky diodes, Superconductivity, Current density, Josephson junctions ... 04168
Shielding, Fabrication, Josephson junctions, Interferometers, Superconductivity ... 04173
Signal converters, Voltage, Resistors, Superconductivity ... 04172
Signal processing, Signal converters, Superconductivity, Resistors ... 04188
Silicon, Injection, Charge carriers, Metal insulator semiconductors ... 07577
Silicon, Photodetectors, Metal insulator semiconductors, Integrated optics ... 05667
Solar cells, Voltage, Power, Numerical analysis ... 00801
Superconductivity, Current, Oscillation, Josephson junctions ... 04193
Superconductivity, Far infrared, Irradiation, Josephson junctions, Tunneling ... 04067
Superconductivity, Integrated circuits, Josephson junctions, Modulation ... 04235
Superconductivity, Josephson junctions, Thermal variables measurement ... 04161
Superconductivity, Microwaves, Mixers ... 04066
Superconductivity, Thin films, Gradiometers, Niobium ... 01023
Superconductors, Convolvers, Signal processing, Mixers, Transmission lines ... 04059
Superconductors, Receivers, Mixers ... 01016
Thin films, Lithography, Superconductivity ... 04088
Tunneling,
Charge carriers, Metal oxide semiconductors, Capacitors, Space charge ... 02481
Current voltage, Doping, Avalanche photodiodes, Gain ... 02493
Diodes, Transistors, Networks, Resistivity ... 02412
Electrons, Spectroscopy, Thin films ... 08435
Indium phosphide, MISFET, Injection, Capacitance voltage ... 05949
Josephson junctions, Diodes, Current density, Fabrication ... 01014
Josephson junctions, Irradiation, Far infrared, Superconductivity ... 04067
Josephson junctions, Lead, Cadmium sulfide, Illumination, Current voltage ... 04167
Josephson junctions, Noise, Superconductivity ... 04186
Josephson junctions, Switching, Hysteresis, Voltage ... 01015
Junctions, Noise, Frequency, Transistors ... 02723
Junctions, Temperature, Capacitance voltage, Electric fields ... 02725
Lead telluride, Schottky diodes, Infrared, Detectors ... 04384
Metal insulator semiconductors, Transistors, Fabrication, Capacitance voltage ... 01173
Metal oxide semiconductors, Noise, Voltage, Dielectrics ... 07611
Photodiodes, Dark conduction, Mercury cadmium telluride ... 07260
Schottky diodes, Contacts, Metals, Silicides, Emissions ... 05914
Solar cells, Ohmic contacts, Fermi levels, Contact resistance ... 05646
Transition metals, Thin films, Superconductors, Temperature, SN ... 05795
Valence, Charge carriers, Semiconductors, Band structure ... 04369
Turbines,
Aircraft engineering, Guidance and control systems, Electronic equipment ... 02074
Boilers, Electric power generation, Automation, Cost benefit analysis ... 01864
Combustion, Testing, Remote control ... 08179
Compressors, Vibration, Rotors, Rotating bodies, Telemetry, Fans ... 04588
Electric power generation, Statistical analysis, Velocity, Wind energy ... 01839
Electric power generation, Wind energy, Generators, Performance ... 08358
Engines, Assembling, Welding ... 00984
Flowmeters, Pipelines, Reliability, Economics, Research and development ... 03539
Fuels, Coal, Electric power generation, Natural gas ... 08317
Generators, Cooling systems, Voltage, Testing ... 08175
Generators, Design, Power supply, Magnetic fields, Rotation ... 08141
Generators, Fault tolerance, Power systems, Testing, Stability ... 08225
Generators, Thermodynamics, Electromagnetics, Eddy current ... 06553
Helicopters, Propulsion, Control systems, Economics ... 03639
Hydroelectric power generation, Heat exchangers, Systems design ... 00081
Hydroelectric power generation, Shafts, Rotors ... 00083
Hydroelectric power generation, Simulation, Damping, Loading ... 04881
Hydroelectric power generation, Torque, Flow, Control systems, Generators ... 05020
Induction motors, Energy conversion, Wind energy, Capacitors, Thyristors ... 01711
Magnetic fields, Rotors, Generators, Loading, Finite element method ... 06826
Power plants, Control systems, Current voltage, Generators, Simulation ... 05017
Rotors, Design, Hydroelectric power generation, Magnetics ... 08165
Steam turbines, Automatic control, Modeling ... 06555
Systems design, Fuel efficiency, Control systems, Adaptive control, Helicopters ... 02072
Utilities, Hydroelectric power generation, Bulb turbines ... 08178
Water turbines, Elasticity, Stability ... 03285
Wind energy, Control systems, Drives ... 01704
Wind energy, Diesel engines, Fuel efficiency, Energy conservation ... 00146
Wind energy, Electric power generation, Production control, Management ... 08351
Wind turbines, Aerodynamics, Modeling ... 01708
Wind turbines, Batteries, Performance, Service life, Maintenance ... 01804
Turbofan engines,
Thermal insulation, Robots, Cost benefit analysis, Coatings, Zirconium oxide ... 00427
Turbogenerators,
Capacitors, Current voltage, Oscillation, Resonance, Dissertation ... 01707
Current voltage, Leakage, Saturation, Circuitry, Computer aided analysis ... 04890
Eddy current, Rotors, Reliability, Economics, Surface properties ... 08169
Electric power generation, Simulation, Finite element method ... 08171
Manufacturing, Metals, Superconductors, Research and development ... 07454
Mathematical models, Rotors, Eddy current ... 03290
Optimal control, Feedback, Torque control, Voltage control ... 04887
Power plants, Machinery, Vibration, Steam turbines, Computer aided analysis ... 06552
Service life, Power plants, Electric power generation ... 03265
Stability, Simulation ... 01710
Turbomachinery,
Finite difference method, Magnetic fields, Generators, Mathematical models ... 06819
Magnetic fields, Distributions, Software development, Nonlinear equations ... 06812
Turbulence,
Aircraft, Guidance and control systems, Wind, Noise, Dissertation ... 02075
Antennae, Wave propagation, Amplitude, Spectral analysis ... 08124
Atmospheric conditions, Wave propagation, Electromagnetic waves ... 01631
Boundary layers, Flux, Thermodynamics, Wind, Measurement ... 05376
Electromagnetics, Wave propagation, Reflection, Frequency ... 06440
Flames, Thermal variables measurement, Jets, Diffusion ... 03420

Turbulence, (continued)
- Flow of gases, Cables, Channels, Concrete, Simulation 08847
- Lasers, Velocimeters, Measurement, Propellers, Flow of gases 05251
- Modeling, Electromagnetics, Wave propagation, Algorithms, Simulation 03211
- Radiation, Thermodynamics, Flow of gases, Electric variables measurement 09069
- Remote sensing, Amplitude, Spectral analysis, Wind, Modeling 08001
- Scattering, Signal to noise ratio, Radar, Spectral analysis, Dissertation 07877
- Supersonic flow, Thermal variables measurement, Lasers, Fluorescence 00909
- Wave propagation, Dispersion, Numerical analysis 00008
- Waves, Radiation, Optics, Lenses 04804
- Wind, Modeling, Velocity, Meteorology, Electric power generation 05379

Turbulent flow,
- Anemometers, Heat transfer, Velocity, Probes, Pressure measurement 00357
- Electromagnetic waves, Coherence, Scintillation 03225
- Electromagnetic waves, Magnetostatics, Astrophysics 03201
- Fluid mechanics, Furnaces, Electromagnetic fields 00705
- Geomagnetism, Electromagnetic waves, Plasmas 03229
- Mathematical models, Magnetohydrodynamics, Electric fields 00160
- Phase transitions, Arcs, Discharges, Particles 00009
- Resolution, Pattern recognition, Telescopes, Atmospheric conditions 00026
- Wave propagation, Microwaves, Cosmic radiation 03443

Turnkey systems,
- Automotive engineering, Computer aided design, Finite element method 03767
- Microcomputers, Computer aided manufacturing, Software packages, Economics 05402

Typesetting,
- Microcomputers, Printers, Software development, Quality control 02327
- Microprocessors, Disks, Computer programs, Text editing, Economics 02303
- Office automation, Equipment 02301
- Systems design, Terminals, Floppy disks, Electronic equipment 02302
- Word processing, Data processing, Systems design 02543

Ultrasonic testing,
- Hydrophones, Polymers, Frequency, Signal to noise ratio, Acoustics 03518
- Instrumentation, Precision engineering, Nondestructive testing 03521
- Performance, Materials testing, Electromagnetic-acoustic method 00326
- Vibration measurement, Joints 00325

Ultrasonic transducers,
- Materials testing, Nondestructive testing, Flaw detection 02661
- Nondestructive testing, Acoustic emissions 02660

Ultrasonics,
- Absorption, Biology, Radiation, Dosimetry, Dissertation 02144
- Acoustic emissions, Transducers, Frequency, Calibration, Standards 07498
- Acoustic waves, Fracture, Metals, Granular materials 00259
- Acoustics, Channels, Instrumentation, Reliability, Flowmeters 08468
- Acoustics, Instrumentation, Sensors, Inspection, Materials testing 05104
- Acoustics, Toxicity, Cytology, Rats 02141
- Amplitude, Magnetometers, Piezoelectricity, Sensors 06839
- Amplitude, Modulation, Image processing, Acoustooptics, Transducers 06386
- Attenuation, Ferroelectric crystals, Dielectricity, Phase transitions 03533
- Audio systems, Frequency, Pressure, Wave propagation 09475
- Biomedical engineering, Diagnostics, Image processing, Signal to noise ratio 00516
- Biomedical engineering, Imaging, Cardiovascular system, Ventricular volume 05296
- Bones, Torsion, Electromagnetic waves, Biomedical engineering, Piezoelectricity 02147
- Calibration, Electromagnetics, Sensors, Vibration 00330
- Cardiovascular system, Carrier waves, Doppler shift 02153
- Cardiovascular system, Microwaves, Flow rates 02152
- Clinical medicine, Image processing, Diseases, Dissertation, Liver disease 08629
- Coding, Simulation, Transducers, Calibration, Nondestructive testing 03511
- Composite materials, Stiffness, Elasticity, Velocity, Software development 05097
- Computed tomography, Cancer, Tumors, Hepatocellular carcinoma 08632
- Computed tomography, Reconstruction, Electromagnetic waves, Rotating bodies 06845
- Deformation, Instrumentation, Nondestructive testing 00261
- Detectors, Transducers, Cryogenics, Liquid helium 09139
- Diseases, Diagnostics, Diaphragmatic paralysis 08633
- Echoes, Signal processing, Spectroscopy, Nondestructive testing, Bonding 03509
- Excitation, Electromagnetic fields, Potentials, Transducers 08456
- Flaw detection, Inspection, Nondestructive testing 09135
- Flowmeters, Design, Economics, Research and development 03519
- Harmonics, Quartz, Piezoelectricity, Dissertation 02630
- Hyperthermia, Tissues, Dose response effects, Tumors 07000
- Hyperthermia, Transducers, Simulation, Tumors 07001
- Image processing, Cardiovascular system, Modeling, Smoothing, Automation 05306
- Image processing, Filters, Computer aided analysis 03665
- Image processing, Reflection, Biomedical engineering, Speckle, Dissertation 00356
- Image processing, Signals, Convolution, Reflectivity 02143
- Image processing, Transducers, Scanning, Biomedical engineering 00514
- Imaging, Holography, Resolution, Noise 08484
- Imaging, Reflection 08487
- Indium, Wave propagation, Pulse generation, Velocity 01969
- Inspection, Drilling, Pipes, Transducers 05834
- Inspection, Nondestructive testing, Thickness measurement 09136
- Inspection, Wave propagation, Scattering, Modeling, Elastic waves 01973
- Lasers, Vibration, Nondestructive testing 00344
- Light, Diffraction, Anisotropy, Integral equations 06855
- Liver, Beta radiation, Image processing 06991
- Lubricants, Nondestructive testing, Wave propagation, Time measurement 00336
- Machining, Grinding 08476
- Mathematical models, Signal processing, Biomedical engineering 05107
- Measurement errors, Plastics industry, Nondestructive testing, Quality control 00347
- Medical electronics, Blood, Flow measurement, Computer aided analysis 05339
- Metals, Sound waves, Wave propagation, Dissertation 00021
- Nondestructive testing, Computer aided analysis, Microcomputers 03517
- Nondestructive testing, Steel, Plates, Crack propagation 09134
- Nondestructive testing, Tungsten carbide, Fracture, Toughness 00331

Ultrasonics, (continued)
- Nondestructive testing, Vibration, Measurement errors 084
- Paper industry, Time measurement, Modulation, Signal processing 003
- Phase transitions, Continuous waves, Tone bursts 019
- Radar, Image processing, Antennae, Audio systems, Error, Dissertation 047
- Radiation, Lasers, Signal processing, Pulse generation 025
- Radiology, Scanners, Image processing 052
- Scanning, Image processing, Pattern recognition, Boundary extraction 057
- Scattering, Surface properties, Helium, Thin films, Dissertation 051
- Sensors, Distance measurement, Transducers 084
- Signal processing, Crack propagation, Delay 019
- Steel, Glass, Wave propagation, Nondestructive testing 068
- Surface acoustic waves, Sensors, Piezoelectricity, Dissertation 051
- Testing, Data processing, Inspection, Automation 051
- Thickness measurement, Inspection, Standards, Nondestructive testing 051
- Tissues, Absorption, Microwaves, Liver 021
- Tissues, Blood, Fluid mechanics, Radiology 021
- Tissues, Histology, Rats, Cytology 070
- Transducers, Frequency, Transformers, Measurement, Acoustics 091
- Transducers, Piezoelectricity, Receivers 055
- Transducers, Resolution, Biomedical engineering 019
- Transducers, Vibration, Radiation, Acoustic emissions, Nondestructive testing 058
- Velocity, Acoustic waves, Oscillation 019
- Wave propagation, Aluminum, Surface properties 084
- Wave propagation, Attenuation 003
- Wave propagation, Glass, Amorphous materials 032
- Wave propagation, Scattering, Polystyrene, Particles, Dissertation 068
- Wave propagation, Scattering, Surface acoustic waves, Spectral analysis 016
- Waveforms, Signal processing, Resolution 015
- Waveguides, Materials planning and control, Cladding, Elastic waves 010
- Welding, Crack propagation, Surface properties, Transducers, Wave propagation 084
- Welding, Inspection, Frequency, Measurement, Performance 068
- Welding, Transmission lines 003
- X-ray radiation, Fluorescence, Image processing 021

Ultraviolet,
- Amplification, Plasmas, Recombination, Numerical analysis 080
- Atmospheric conditions, Resonance, Doppler effect 037
- Detectors, Satellites, Image processing 050
- Discharges, Impedance, Spectral analysis, Insulators, Conductors, Explosions 019
- Emissions, Lasers, Plasmas 050
- Excimer lasers, Dye lasers, Frequency, Tuning 050
- Excimer lasers, Photoresists, Lithography 090
- Filters, Terylene, Films, Astronomy 067
- Fluorescence, Oxygen, Excitation, Argon fluoride, Gas lasers 067
- Gas lasers, Xenon chloride, Discharges, Gain, Voltage 009
- Ionization, Carbon dioxide, Gas lasers, Optimization 009
- Irradiation, Excimer lasers, Photoresists, $Ag_2Se/GeSe_2$ 040
- Irradiation, Insulators, Vacuum technology, Dissertation 050
- Lasers, Collisions, Excitation, Energy transfer 050
- Lasers, Focusing, Electron beams, Lithography, Current density 057
- Lasers, Raman scattering, Potassium, Spectral analysis 050
- Lasers, Vacuum technology, Nuclear spectroscopy 089
- Optical properties, Rare earths, Doping, Crystals, Glass 072
- Photodevices, Design, Zone plates 050
- Resists, Plasmas, Integrated circuits, Stability 025
- Spectrometers, Bremsstrahlung 003
- X-rays, Gas lasers, Ionization, Electron density 090

Ultraviolet photoelectron spectroscopy,
- Germanium, Surface structure, Electronic structure, Temperature 067

Ultraviolet radiation,
- Biology, Birefringence, Genetics, Dissertation 002
- Photochemistry, Pumping, Gas lasers 009

Underwater technology,
- Acoustic emissions, Systems analysis, Search strategies 095
- Acoustics, Navigation, Unmanned vehicles, Tracking 0704
- Acoustics, Transducers, Calibration, Design 047
- Acoustics, Waves, Scattering, Numerical analysis, Oceanography 0537
- Cables, Fiber optics, State of the art 0614
- Cables, Fiber optics, Tensile strength, Velocity, Vibration 0293
- Cables, Semiconductors, Reliability, Research and development 0754
- Coatings, Viscoelasticity, Acoustics, Absorption, Resonance 0034
- Communications, Fiber optics, Tensile strength, Fault tolerance 0614
- Control systems, Unmanned vehicles, Remote control, Data transmission 0704
- Data transmission, Fiber optics, Transmission lines, Channels 0137
- Design, Submersibles, Remote control, Life support systems 0704
- Diffraction tomography, Imaging, Mapping, Microwaves 0257
- Dredgers, Offshore structures, Mining, Process control, Position control 0055
- Fiber optics, Cables, Reliability, Costs 0934
- Fiber optics, Data transmission, Technological forecasting 0137
- Fiber optics, Data transmission, Telecommunications, Research and development 0614
- Gauges, Remote sensing, Human factors 0866
- Image processing, Pattern recognition, Matching, Spectral analysis 0630
- Inspection, Remote sensing, Automatic control, Man machine interactions 0062
- Magnetic variables measurement, Sensors, Hydrodynamics, Flow, Vortices 0349
- Manipulators, Unmanned vehicles, Sensors 0704
- Marine engineering, Fiber optics, Transmission, Cables 0776
- Marine engineering, Navigation, Robots 0853
- Mining, Cables, Signal transmission, Fiber optics, Mechanical strength 0704
- Navigation, Image processing, Remote sensing, Marine technology 0873
- Navigation, Robots, Collision avoidance 0868
- Navigation, Robots, Position control 0853
- Noise, Remote sensing, Acoustic variables measurement, Surface wind 0866
- Oceanography, Sonar, Scanning, Photography, Research and development 0537
- Oceanography, Waves, Measurement, State of the art 0705
- Offshore structures, Pipes, Welding, Remote sensing, Automation 0044
- Oil exploration, Shipbuilding, Design, Remote control 0542

water technology, (continued)
- ern recognition, Optics, Photography, Automation, Search strategies 01535
- lines, Electric power generation, Energy conversion 01840
- ar, Detectors, Military 07873
- ation, Detectors, Muons 06900
- llite communications, Fiber optics, Cables, Broadcasting, Data transmission 09409
- al processing, Noise, Detection, Arrays, Processors 03133
- al processing, Receivers, Noise, Detection, Dissertation 09527
- al processing, Receivers, Sonar, Detection 03109
- al transmission, Acoustics, Sonar, Scattering, Statistical analysis 01965
- ar, Color, Televisions 07880
- ar, Communications, Signal processing, Computer aided analysis 07883
- ar, Image processing, Navigation, Modeling, Marine engineering 07879
- ar, Unmanned vehicles, Telemetry, Design 07044
- istical analysis, Wave propagation, Acoustic variables measurement 03107
- marines, Fiber optics, Reliability, Telecommunications, Product development 01369
- marines, Fiber optics, Technological forecasting, Reliability 01368
- marines, Noise abatement, Vibration 01958
- marines, Position control, Buoys, Sonar, Detectors 04729
- ecommunications, Cables, Detection 04304
- emetry, Cables, Unmanned vehicles 07045
- emetry, Fiber optics, Multiplexing, Signal transmission 07050
- ephones, Cables, Technological forecasting 01451
- nsducers, Sonar, Cables, Specifications 04727
- nsmission lines, Norway, Electric power transmission 03304
- nsmission lines, Telephones, Telecommunications, New Zealand 01463
- manned vehicles, Remote control, Data transmission 07049
- manned vehicles, Surface craft, Sensors, Data transmission 07043
- manned vehicles, Towed sensors, Sonar, Search and rescue 07881
- ocity measurement, Drilling, Stress 05127

d Kingdom,
- ficial intelligence, Speech recognition, State of the art 04677
- mputer aided manufacturing, Production control, Robots 02060
- er optics, Cable television, Local area networks 07783
- xible manufacturing systems, Mechanical handling, Robots 03591
- ustry, Robots, Safety systems, Technology 03579
- ustry, Welding, Robots, Technological forecasting 03577
- ers, Research and development 00914
- gislation, Telecommunications, Government regulations, Electronic mail 03028
- dioisotopes, Hospitals, Measuring instruments 00756
- search and development, Artificial intelligence, Mechanical handling, Robots 05199
- earch and development, Artificial intelligence, Speech recognition, LOGIS II 04679
- search and development, Artificial intelligence, Speech recognition 04681
- bots, Design, Mechanical handling, Marketing 02031
- ecommunications, Reliability, Insulation displacement 02994
- ecommunications, Satellites, Space technology, Project engineering 02093
- ecommunications, Technological forecasting, Customer services 02875
- emetry. Communication networks, VANS 06192
- ansborder data flow, Legislation, Information delay/loss liability 02885
- ansborder data flow, Security, Legislation 02884
- ansportation, Routing, Networks, Planning, Data bases 00628
- deotex, Displays, Standards 06130

ed States,
- siness, Telecommunications, Management information systems, State of the art 07835
- ectronic equipment, Cable television, Europe, Technology 06170
- ergy, Research and development, Federal government 03385
- ergy resources, Research and development, Economics 03386
- ergy sources, Research and development, Technological forecasting 08872
- eography, Remote sensing, Mapping, Education 02184
- egrated circuits, Importing, Economics, Demand analysis, Japan 02779
- litary aircraft, Flight control systems, Recording systems 08581
- uclear power plants, Accidents, Construction, Environmental protection 04980
- uclear power plants, Accidents, Government regulations 04982
- emote sensing, Mapping, Data bases 02247
- esearch and development, Missiles, Guidance and control systems, Fiber optics 06986
- atellite communications, Broadcasting, Economics, State of the art 07784
- atellite communications, Position control, Government regulations 07807
- chnological forecasting, Telecommunications, Fiber optics, Cable television 07782
- chnology, Communications, Access 01288
- chnology, Military engineering, Speech recognition 04682
- elecommunications, Government policies 01287
- elecommunications, Government regulations, Technological forecasting 06097
- elecommunications, Japan, Sociology, Manufacturing, Government agencies 02878
- elecommunications, Organization and methods, Government regulations, AT&T 07675
- elecommunications, Switching, Telephones, Research and development, History 06264
- ansborder data flow, Legislation, Information delay/loss liability 02885

nium,
- ollutant detection, India, Toxicity, Monitoring 03562
- acers, Bioassays, Lasers, Monitoring 04051

n planning,
- oastal zone management, LANDSAT, Remote sensing 08651
- mmunications, Transmission, Technology, Teleports 07833
- ectric power generation, Utilities, Fuel cells 01850
- ectric power transmission, Transmission lines, Protection, Fiber optics 06143
- vironmental protection, Data bases, Mapping, Information systems 02193
- esource management, Remote sensing, Satellite communications 02246
- ermal variables measurement, Computer aided analysis, Microcomputers 03711

friendly systems,
- ees, Telecommunications, Terminals, Access, Research and development 06209

R,
- llistics, Missiles, Radar, Detection, Satellite communications 03104
- clear power plants, Economics, Electric power generation 01810
- chnology transfer, Computer crime, Exporting, Hardware, Smuggling 08619

ies,
- pital investment, Solar power generation, Photovoltaics 03368
- nveyors, Power plants, Control systems, Microprocessors 08413

Utilities, (continued)
- Customer services, Telecommunications, Economics, Modeling, Dissertation 06250
- Electric power distribution, Computer aided control, Research and development 03383
- Electric power distribution, Control systems, Minicomputers 03311
- Electric power distribution, Customer services, Reliability, Economics 05006
- Electric power distribution, Loading, Forecasting, Regression analysis 06706
- Electric power distribution, Optimal control, Economics 08348
- Electric power distribution, Technological forecasting, Electric vehicles 02345
- Electric power generation, Control systems, Atlantic City Electric Co. 03392
- Electric power generation, Control systems, Processors, Security, Interfaces 01857
- Electric power generation, Control systems, Realtime systems 03393
- Electric power generation, Control systems, Software development 04949
- Electric power generation, Economics, Energy conservation, Dissertation 06700
- Electric power generation, Fault detection, Recording systems 08233
- Electric power generation, Loading, Scheduling 08269
- Electric power generation, Modeling 01868
- Electric power generation, Planning, Dynamic programming, Expansion planning 06619
- Electric power generation, Planning, Failure, Economics, Modeling 03374
- Electric power generation, Planning, Mathematical models 08347
- Electric power generation, Railway engineering, Electrification, Simulation 01865
- Electric power generation, Reliability, Power failure, Modeling 08237
- Electric power generation, Security, Reliability, Control systems 01867
- Electric power generation, Technology, Fuel cells 01850
- Electric power generation, Turbogenerators, Boilers, Service life 03265
- Electric power transmission, Computer aided control, Ohio Edison Co. 03391
- Electronic equipment, Installation, Power supply, Buildings, Specifications 02288
- Hydroelectric power generation, Turbines, Bulb turbines 08178
- Loading, Control systems 05011
- Nuclear power plants, Safety, Instrumentation, Technology 03345
- Power systems, State estimators, Debugging, Modeling 04948
- Systems design, Planning, Approximations, Statistical analysis 00151

Vacuum technology,
- Arcs, Melting, Electrodes, Surface properties 09074
- Arcs, Velocity, Electrodes, Magnetic fields, Induction 09070
- Breakdown, Radio frequency, Calibration, Voltage, Accelerators 00053
- Circuit breakers, Switches, Surges, Nuclear power plants 00108
- Current voltage, Transformers, Fabrication, Injectors, Lead-ins 05166
- Detectors, Indium antimonide, Infrared, Crystal growth 01908
- Eddy current, Conductors, Density, Mathematical models, Finite element method 06764
- Electrodes, Discharges, Arcs, Current 09073
- Electrodes, Magnetic fields, Arcs, Plasmas 09071
- Electromagnetic fields, Maxwell equations 08032
- Electromagnetic waves, Arcs, Anodes 06448
- Energy storage components, Solar collectors, State of the art 01816
- Ferromagnets, Magnetic tapes, Fabrication, Thin films 05870
- Fluorescence, Displays, Automotive engineering, Alarm systems 02339
- Fusion, Mirror machines, Superconductors, Magnets 06636
- Gallium arsenide, Light emitting diodes, Gamma radiation, Photoemissions 05678
- Gauges, Reliability, Calibration, Precision engineering 08499
- Insulators, Breakdown, Surface properties, Thermoplastics 00715
- Insulators, Electric fields, Design, Optimization, Dissertation 05085
- Interrupters, Arcs, Contacts, Design 06578
- Materials recovery, Casting, Electrodes, Arc melting 01890
- Metal insulator metals, Negative resistance, Electrodes, Pressure 03473
- Neutrons, Breakdown, Voltage 00288
- Product development, Switches, Circuit breakers 00699
- Rotating bodies, Current, Copper, Silver, Wear 00374
- Silicon, Solar cells, Manufacturing, Evaporation 07284
- Silver selenide, Film growth, Evaporation, Diodes, Barrier heights 04386
- Ultraviolet, Lasers, Nuclear spectroscopy 08973

Vacuum tubes,
- Glass, Stress, Temperature 07252

Validation,
- Computer graphics, Interactive systems, Simulation, Prediction, Dissertation 03095
- Induction motors, Loading, Modeling, Dissertation 03275
- Modeling, Formal languages, Protocols, Grammars, Dissertation 02883
- Protocols, Local area networks, Simulation 04637
- Protocols, Queueing theory, Simulation, Control systems 04610

Valves,
- Fiber optics, Sensors, Light scattering 01377
- Internal combustion engines, Computer aided control, Ignition, Microcomputers 02337
- Sulfur fluoride, Insulators, Thyristors, Electric power transmission 01723

Vanadium compounds,
- Irradiation, Neutrons, Superconductivity, V_3Si 01021

Vanadium oxide,
- Electrodes, Voltage, Fuel cells 00180

Vanadium silicide,
- Liquid crystals, Superconductors, Specific heat, Far infrared 05048

Vapor phase epitaxy,
- Avalanche photodiodes, Fabrication, InGaAs/InP 05603
- Electron gases, Field effect transistors, Fabrication, Heterostructures 09234

Varactors,
- Diodes, Amplifiers, Tuning, Modulation, Receivers 07198
- Fabrication, Silicon, Capacitance, Tuning 08852
- Metal oxide semiconductors, Capacitance voltage, Pn junctions 02748
- Radio frequency, Bandwidths, Oscillators, Capacitance 03856
- Superconductivity, Oscillators, Voltage, Phase shifts, Stability 03859
- Surface acoustic waves, Schottky diodes, Gallium arsenide, Memory, Correlators 05122

Varistors,
- Zinc oxide, Grain boundaries, Sintering, Capacitance 07245

Velocimeters,
- Flight testing, Aircraft, Aerodynamics 00455
- Lasers, Measurement, Turbulent flow, Combustion 02604

Velocimeters, (continued)
  Lasers, Photodiodes, Doppler shift, Speckle 07437
  Lasers, Turbulence, Measurement, Propellers, Flow of gases 05251
  Underwater technology, Drilling, Stress 05127
Velocimetry,
  Velocity measurement, Jets, Turbulence, Viscous flow 09048
Velocity,
  Acoustic emissions, Pulse generation, Wave propagation, Indium 01969
  Acoustics, Wave propagation, Transformers 09165
  Aerodynamics, Propellers, Wind turbines, Performance, Numerical analysis 04859
  Alignment, Position control, Guidance and control systems, Spacecraft 02088
  Anemometers, Measurement, Flow, Lasers, Signal processing 03537
  Anemometers, Thermal variables measurement, Atmospheric conditions 08703
  Arcs, Vacuum technology, Electrodes, Magnetic fields, Induction 09070
  Bipolar devices, Digital to analog converters, Delay, Research and development 07217
  Composite materials, Stiffness, Elasticity, Ultrasonics, Software development 05097
  Cryogenics, Transducers, Flow of gases, Measurement, Density 08497
  Decoders, Logic circuits, Josephson junctions, Current 04081
  Design, Calibration, Gauges, Acoustics, Transducers 05112
  Drives, Electric variables measurement, Torque, Modeling, Numerical analysis 04858
  Drives, Servomechanisms, Controllers 00063
  Electron beams, Backscattering, Relativistic particles, Lasers, Gain 07364
  Error, Radar, Doppler shift, Meteorology, Signal to noise ratio 04712
  Exhaust gases, Propellants, Thrusters, Thermodynamics, Numerical analysis 06963
  Flowmeters, Lasers, Anemometers, Hydrodynamics 02608
  Fluid mechanics, Incompressible fluids, Laminar flow 08282
  Frequency, Elasticity, Vibration 00324
  Impedance, Beam propagation, Microscopy, Acoustics 03502
  Impedance, Sensors, Nuclear reactors, Two phase flow, Measurement 00190
  Induction motors, Inverters, Torque control 03271
  Lasers, Anemometry, Wind energy, Atmospheric conditions 00986
  Lasers, Doppler anemometers, Nuclear reactors, Rod bundles 07440
  Microcomputers, Guidance and control systems, Automotive engineering 02333
  Microprocessors, Control systems, Simulation, Robustness 01692
  Missiles, Aircraft, Performance, Tracking, Simulation 05258
  Modeling, Speech synthesis, Linguistics, Pressure, Dissertation 06276
  Motors, Servomechanisms, Voltage, Nondestructive testing, Electromotive force 00074
  Perturbation, Radiation, Charge, Electromagnetic waves 06430
  Phase shifts, Capacitors, Voltage, Impedance, Circuitry 07181
  Probes, Pressure measurement, Heat transfer, Anemometers, Turbulent flow 00357
  Pulse generation, Current, Photodevices, Diodes, Electric fields 02494
  Recombination, Surface properties, Diffusion, Solar cells 02513
  Reflectance, Image processing, Fiber optics, X rays 03452
  Reluctance machines, Testing, Research and development, Frequency, Performance 06511
  Roller bearings, Vibration, Acoustic emissions, Transducers, Frequency 05838
  Rotating bodies, Tachometers, Fiber optics 02549
  Rotation, Reflectors, Solar energy, Power plants 00219
  Rotors, Synchronous motors, Microprocessors, Signal processing, Noise 00079
  Scattering, Wave propagation, Elasticity, Frequency, Porosity 03528
  Short circuits, Frequency, Impedance, Synchronous machines, Systems analysis 01676
  Signal processing, Acoustic emissions, Magnetic tape, Recording systems 01981
  Signal processing, Filters, Error, Neurophysiology, Signal to noise ratio 02155
  Signal processing, Microprocessors, Tachometers, Computer aided control 03535
  Signal processing, Seismology, Geomagnetism 03700
  Simulation, Power systems, Control theory, Induction motors 04867
  Solar energy, Lasers, Spacecraft, Lenses, Optics 05776
  Solenoids, Current, Superconductors 04103
  Thermal variables measurement, Anemometers, Heat transfer, Convection 02625
  Torque, Induction motors, Pumps, Electric variables control 04908
  Torque measurement, Ignition, Internal combustion engines, Microcomputers 02338
  Two phase flow, Pipes, Rotating bodies 08389
  Vibration, Fiber optics, Cables, Underwater technology, Tensile strength 02930
  Vibration, Gamma radiation, Spectral analysis, Signal processing 06789
  Viscous flow, Incompressible flow, Rotating bodies, Magnetohydrodynamics 01791
  Wave propagation, Switches, Modulators, Optics 08912
  Wind energy, Statistical analysis, Electric power generation, Turbines 01839
  Wind, Modeling, Meteorology, Turbulence, Electric power generation 05379
  Wind turbines, Electric power generation, Measurement, Machinery, Performance 04862
Velocity control,
  Drives, Current, Simulation 06607
  Manipulators, Torque 06930
  Motors, Technology, Energy conservation 06531
  Robots, Modeling, Kinematics 03611
  Rotors, Induction motors, Drives 03277
  Spacecraft, Flight control systems, Transducers 09153
Velocity measurement,
  Aircraft engineering, Helicopters, Wind tunnels 05247
  Displays, Liquid crystals, Guidance and control systems, Automotive engineering 02529
  Drives, Computer aided analysis 03292
  Flux, Probes, Reliability, Economics, Flow 03538
  Internal combustion engines, Idle roughness metering 01675
  Internal combustion engines, Laser Doppler velocimetry 07426
  Lasers, Wind tunnels, Aerodynamics 07433
  Velocimeters, Underwater technology, Drilling, Stress 05127
Ventilation,
  Heat pumps, Energy storage components, Solar collectors, Space heating 00201
Verification,
  Circuitry, Testing, Error, Logic, Arrays 07655
  Hardware, Design, Simulation, Dissertation 03739
  Integrated circuits, Computer aided design, Structural analysis, Algorithms 06011
  Integrated circuits, Fabrication, Fault detection 07646
  Integrated circuits, Fabrication, Simulation, Pattern recognition, Algorithms 07641
  Programmable logic arrays, Computer aided design, Fault detection, PART 07656
  Protocols, Specifications, Decomposition 06105
  Research and development, Microelectronics, Architecture, Signal processing 07621
Very large scale integration,
  Analog to digital converters, Parameter estimation, Parallel processing, Design 007
  Circuitry, Filters, Technology, Structural analysis, Dissertation 0604
  Circuitry, Technology, Semiconductors, Fabrication, Mathematical models 076
  CMOS, Metal oxide semiconductors, Packaged components, Channels, Performance 092
  Communication networks, Simulation, Matrices, Nonlinear equations, Dissertation 087
  Integrated circuits, Metal oxide semiconductors, Gallium arsenide 059
  Integrated circuits, Quality control, Design, Structural analysis 012
  Matrices, Stability, Computer aided design, Reliability, Dissertation 0604
  Microelectronics, Circuitry, Technology, Economics, Research and development 0601
  Programming languages, Computer aided design, Structural analysis 0602
  Semiconductors, Transport properties, Numerical analysis, Newton method 076
  Tantalum silicide, CMOS, Transistors, Channels, Work function 0764
Veterinary science,
  Integrated circuits, Anesthesiology, Performance 0050
Vibration,
  Acoustics, Resonance, Cross sectional measurement, Durometers 050
  Acoustics, Sound propagation, Scattering, Nonlinear systems, Dissertation 068
  Acoustics, Spectral analysis 0195
  Aircraft, Helicopters, Frequency, Optimization, Structural analysis 0525
  Calibration, Transducers, Antennae, Electrostatics 0914
  Controllers, Helicopters, Simulation 004
  Current, Choppers, Numerical analysis 065
  Displacement, Remote sensing, Interferometry, Fiber optics, Dissertation 008
  Elasticity, Frequency, Velocity 0032
  Electric fields, Piezoelectricity, Frequency 0102
  Electromagnets, Magnetic fields, Measurement, Wave propagation 084
  Electrostatic precipitators, Particle size, Electric fields, Power plants 0354
  Flight control systems, Ground support systems, Sensors 020
  Frequency, Doppler shift, Radiation, Electromagnetics 0802
  Frequency, Holography, Acoustics, Wave propagation 0032
  Frequency, Measurement, Instrumentation 0843
  Frequency, Quartz, Resonators, Pressure, Sensors 0842
  Friction, Generators, Monitoring methods, Maintenance 0169
  Gauges, Pressure, Transducers, Stability, Magnetic variables measurement 0839
  Generators, Frequency, Composite materials, Numerical analysis 0667
  Harmonics, Resonance, Crystals, Gases, Sensors 0354
  Harmonics, Transformers, Damping, Balancing 0174
  Induction motors, Current 0816
  Ions, Hydrogen, Heat treatment, Dye lasers, Dissertation 0100
  Lasers, Excitation, Power, Spectral analysis 0576
  Magnet coupling, Rotating bodies, Shafts 0196
  Measurement, Amplitude, Instrumentation, Construction 0511
  Metrology, Electric variables measurement, Remote sensing, Antennae 0865
  Monitoring, Computer aided analysis, Maintenance engineering, Scheduling 0813
  Noise abatement, Submarines, Underwater technology 0195
  Noise, Cables, Fiber optics 0293
  Nondestructive testing, Holography, Strain, Instrumentation 0905
  Nondestructive testing, Lasers, Ultrasonics 0034
  Numerical analysis, Subharmonic vibration, Parametric excitation 0196
  Occupational exposure, Noise, Hearing loss 0509
  Optics, Frequency, Lasers, Waves, Vibration 0403
  Optics, Signal processing, Machinery, Rotation, Testing 0086
  Oscillation, Composite materials, Transducers, Inspection, Loading 0584
  Piezoelectricity, Quartz, Frequency, Electromagnetic waves 0103
  Piezoelectricity, Standards, Stress, Electric fields 0908
  Power plants, Machinery, Steam turbines, Turbogenerators 0655
  Resonators, Frequency, Numerical analysis 0912
  Roller bearings, Acoustic emissions, Transducers, Frequency, Velocity 0583
  Rotating bodies, Bearings, Oscillation, Resonance 0196
  Rotating bodies, Electric power apparatus, Shafts 0330
  Rotors, Rotating bodies, Telemetry, Fans, Compressors, Turbines 0458
  Semiconductors, Energy conversion, Fiber optics, Monitoring, Thin films 0766
  Sensors, Amplifiers, Piezoelectricity, Accelerometers 0069
  Shock control, Trajectory, Iteration method 0196
  Signal processing, Transducers, Measurement, Magnetic variables measurement 0750
  Space technology, Satellites, Acoustics, Antennae, Simulation 0860
  Spacecraft, Motors, Nozzles, Design, Materials testing 0487
  Stability, Flow, Wave propagation, Blades, Aerodynamics 0846
  Strain, Bars, Nondestructive testing 01979
  Subharmonic vibration, Oscillation, Numerical analysis 0196
  Transceivers, Isolation systems, Packaging, Radios, Mining 01311
  Transducers, Measurement, Machinery, Economics, Purchasing 0750
  Transducers, Piezoelectricity, Frequency 04329
  Transducers, Strain, Measurement, Mechanical strength 09159
  Transducers, Ultrasonics, Radiation, Acoustic emissions, Nondestructive testing 05839
  Ultrasonics, Calibration, Electromagnetics, Sensors 00330
  Velocity, Gamma radiation, Spectral analysis, Signal processing 06789
  Velocity, Tensile strength, Underwater technology, Cables, Fiber optics 02930
  Vibration measurement, Joints, Ultrasonic testing 00325
  Vibration, Transmission lines, Conductors, Fatigue 00708
  Voltage, Contact resistance, Wear, Connectors, Plating 07233
Video systems,
  Amplifiers, Design, Optimization, Modulation 02919
  Analog to digital converters, Design, Signal processing, Amplifiers 08832
  Audio systems, Electronic equipment, Troubleshooting 03815
  Broadcasting, Animation, Photography, Technology 02968
  Cameras, Recording systems, Circuitry 02918
  Chromium dioxide, Ferromagnets, Synthesis, Doping, Surface properties 05865
  Chromium dioxide, Magnetic tapes, Reproduction (copying), Heat treatment 05864
  Color, Cameras, Integrated circuits, Frequency 02486
  Color, Image processing, Coding 07711
  Computer aided control, Synchronization, Frequency, Signal transmission 02938
  Computer graphics, Mapping, Displays, Circuitry, Hybrids 05686
  Displays, Technological forecasting, Product development 07254
  Education, Performance, Dissertation, Psychomotor learning 03774

systems, (continued)
bedding, Signal to noise ratio, Luminance, Data transmission, Channels 07776
tigue, Hydraulic control equipment, Servomechanisms 01883
alth care, Technology, Cardiovascular system, Risk assessment 05311
icopters, Computer graphics, Microprocessors, Converters, Alphanumerics 07304
age processing, Optical disks, Laser diodes 00964
age processing, Simulation, Computer aided analysis 01322
rary science, Education, Interactive systems, Personal computers 09335
uid crystals, Displays, Integrated circuits, Control systems 02553
gnetic tapes, Classification, Standards 09377
gnetic tapes, Recording systems, Ferric oxide, Iron nitride 05868
rketing, Commerce 05558
tical storage, Recording systems, Tellurium oxide, Thin films 01338
zoelectricity, Transducers, Recording systems, Pressure, Lithium iodate 09141
lse generation, Radar, Electromagnetic waves, Mapping, Dissertation 07018
cording systems, Integrated circuits, Signal processing, Modulation, Voltage 02937
cording systems, Quality control, Electron beams, Audio systems 02916
search and development, Education, Consumer electronics 07712
tellite communications, Image processing, Random access memory, Buffers 03050
tellite communications, Teleconferencing, Data transmission 01315
hottky diodes, Far infrared, Detectors, Voltage 07558
eech transmission, Data transmission, Closed circuit television 02967
andards, Classification 08887
chnological forecasting, Telecommunications, Fiber optics 01367
leconferencing, Image processing, Data compression, Displays 06159
leconferencing, Interactive systems, Economics 03010
leconferencing, Microprocessors, Workstations, Simulation, Computer graphics 04561
leconferencing, Productivity, Research and development 07803
letext, Telecommunications, Packet switching, Technological forecasting 01434
levisions, Data transmission, Luminance 01387
ansmission, Semiconductor lasers, Noise, Fiber optics 04017
deodiscs, Lasers, Gaussian distribution, Optical storage 01344
rays, Nondestructive testing, Production control, Assembling 08943
odiscs,
sers, Video systems, Gaussian distribution 01344
croprocessors, Maintenance, Training, Economics 01323
tical storage, Technological forecasting, Data processing, Image processing 00898
odisks,
tificial intelligence, Technology, Research and development, Education 06132
mputer aided design, Consumer electronics, RCA Selectavision 02942
mputer graphics, Office automation, Broadcasting, Printing industry 07289
tical storage, Office automation, Information retrieval 02923
cording systems, Electrodes, Capacitance, Signal processing, Audio systems 02600
cording systems, Lasers, Signal processing, Research and development 02601
gnal processing, Lasers, Coding, Modulation 02599
chnology, Game playing, Computer graphics, Interactive systems 02547
otex,
phanumerics, Information systems, Displays, Televisions, Dissertation 01379
anking, Data processing, Communication networks, Systems design 09396
ommunication networks, Architecture 09332
ommunication networks, Computer graphics, Economics, Research and development 06129
ommunication networks, Data communications, Protocols, Image processing 01316
ommunication networks, Telephones, Packet switching, Loops, Signal processing 04660
isplays, Standards, Research and development 02561
isplays, Standards, United Kingdom 06130
otel industry, Electronic mail, Communication networks, Midland Hotel 07837
formation retrieval, Consumer electronics, Dissertation 09428
formation systems, Data transmission, Traffic, Modeling, Customer services 06124
teractive systems, Communication networks, Terminals, Microcomputers 01336
odems, Integrated circuits, Switching, Capacitance, Personal computers 02915
ffice automation, Data bases, Data transmission, Terminals, Technology 02924
attern recognition, Telecommunications, Information systems 06126
ersonal computers, Modems, Banking, Standards, Home banking 09449
rivacy, Standards, Access, Information retrieval, Research and development 01374
tandards, Protocols, Coding, Syntax, Research and development 06089
echnological forecasting, Research and development, Economics 04559
echnology, Research and development, France 09336
elecommunications, Japan, CAPTAIN, State of the art 09344
elecommunications, Marketing 06127
elecommunications, Protocols, Standards, Publishing, Research and development 06128
elecommunications, Systems design, Switzerland 04563
elephones, Online systems, Information services, Electronic mail 06262
eletext, Finance, Economics, Marketing, Technological forecasting 02914
eletext, Interactive systems, Technology, Broadcasting, Data transmission 06134
eotext,
elecommunications, Technology, Information processing, Systems analysis 02932
coelasticity,
Coatings, Underwater technology, Acoustics, Absorption, Resonance 00349
Resonance, Acoustics, Wave propagation, Materials testing 01966
cosity,
Conductivity, Magnetohydrodynamics, Incompressible flow, Drag 00169
Damping, Plates, Impact testing, Acoustic emissions, Composite materials 03512
cous flow,
ncompressible flow, Rotating bodies, Magnetohydrodynamics, Velocity 01791
ible range,
Electroluminescence, Gallium phosphide, Light emitting diodes, Degradation 03961
Emissions, Metal oxide semiconductors, Field effect transistors 02754
Fiber optics, Refractive indices, Scanning 07768
Fluorine, Electrooptics, Spectral analysis, Electrons 07317
Four wave mixing, Storage, Frequency, BDN dye 07407
Heterostructure lasers, Chemical vapor deposition, Quantum wells, (AlGa)As 04027
mage processing, Cameras, Charge coupled devices, Recording systems 07651
nfrared, Remote sensing, Radiometers, Topography, Reflectance 03437
Light emitting diodes, Liquid phase epitaxy, Gallium phosphide, Pn junctions 00820
Photodetectors, Coatings, Thickness measurement, Gauges 05668
Photodevices, Radiometers, Optics, Infrared 05720
Visible range, (continued)
Pyrolysis, Cellulose, Flux, Arcs 05003
Surface properties, Voltage, Solar cells, Emitters, Wavelengths 00805
Vision,
Artificial intelligence, Cartography, Image processing, Pattern recognition 02565
Artificial intelligence, Industry, Machine vision systems 03990
Artificial intelligence, Pattern recognition, Curve fitting 08941
Artificial intelligence, Robots, Pattern recognition 00407
Artificial intelligence, Sensors, Robots 02048
Biomedical engineering, Eye movement, Algorithms, Filters 05335
Circuitry, Fabrication, Measurement, Inspection, Computer aided analysis 07663
Computer graphics, Color, Alphanumerics, Magnetic storage, Typography 02940
Data structure, Programming languages, Algebra, Identification, Dissertation 05723
Electrooptics, Robots, Research and development 08906
Eyes, Fatigue, Strain, Displays 06087
Eyes, Refraction, Infrared, Optometers 02156
Filters, Anisotropy, Structural analysis 05337
Focusing, Automatic control, POPEYE 05714
Image processing, Color, Pattern recognition, Perception 08893
Image processing, Computer graphics, Raster displays, Interactive systems 03981
Image processing, Eyes, Technology 00859
Image processing, Matrices, Estimation 03988
Image processing, Medical electronics, Eyeball torsional movement 00526
Image processing, Noise, Filtering, Inspection, Automation 03185
Image processing, Scene analysis, Pattern recognition 05716
Image processing, Signal processing, Structural analysis 08935
Inspection, Automation, Computer graphics, Surface texture, Pattern recognition 02574
Inspection, Pattern recognition, Assembling, Production control 00412
Inspection, Pattern recognition, AUTOVISION II 00410
Inspection, Printed circuit boards, Pattern recognition 04501
Inspection, Robots, Microprocessors, Automotive engineering, Valves 08556
Integrated circuits, Modeling, Pattern recognition, Inspection, Algorithms 04503
Lasers, Scanning, Robots, Pattern recognition, Time-of-flight 02560
Mathematical models, Cytology, Neurology, Electric variables measurement 05334
Mathematical models, Signal processing, Amplitude, Kinematics, Optics 05331
Mechanical handling, Bar codes, Pattern recognition 02297
Mechanical handling, Feeders, Performance, Manipulators, Search strategies 05202
Optics, Computer aided design, Diffraction, Computer programs, Dissertation 00870
Pattern recognition, Semiconductors, Circuitry, Technology, Manufacturing 02871
Radiometry, Mapping, Sensitivity, Error, Image processing 03994
Robots, Artificial intelligence, Inspection, Assembling, Quality control 08535
Robots, Artificial intelligence, Mechanical handling, Sensors 06908
Robots, Computer aided control, Image processing, Microcomputers 03614
Robots, Control systems, Mechanical handling, Sensors, Research and development 05212
Robots, Flexible manufacturing systems, Assembling, Design, Sensors 06919
Robots, Image processing, Cameras, Lasers, Calibration 07431
Robots, Image processing, Nondestructive testing 08534
Robots, Image processing, Pattern recognition 05727
Robots, Image processing, Radar, Lasers, Research and development 05215
Robots, Image processing, Segmentation, Systems design, Dissertation 03578
Robots, Image processing, Systems design 00418
Robots, Industry, Sensors, Technology, Research and development 05185
Robots, Inspection, Assembling, Structural analysis, Programming languages 02559
Robots, Inspection, Computer aided control, Adaptive control 03583
Robots, Inspection, Nondestructive testing 00419
Robots, Inspection, Nondestructive testing, Quality control 00444
Robots, Inspection, Pattern recognition 00417
Robots, Inspection, Production control, Assembling 05219
Robots, Lasers, Scanning, Modeling, Control systems 07430
Robots, Mechanical handling, Arc welding, Computer aided control 03609
Robots, Mechanical handling, Sensors 08279
Robots, Microprocessors, Inspection, Semiconductors, Software development 07653
Robots, Nondestructive testing, Quality control 00408
Robots, Pattern recognition, Systems design 00416
Robots, Sensors, Mechanical handling, Automation, Guidance and control systems 00440
Robots, Sensors, Semiconductors, Optics, Materials testing 06911
Robots, Textile industry, Economics 00409
Robots, Welding, Mechanical handling, Space shuttle 08601
Sensitivity, Image processing, Diagnostics, Psychophysiology, Radiology 05343
Software development, Hydraulic control equipment, Robots 02028
Systems analysis, Mathematical models, Integrodifferential equations, Circuitry 05338
Teleconferencing, Image processing, Computer graphics, Interactive systems 06157
Teleconferencing, Signal transmission, Data compression, Switching 01461
Time measurement, Color, Information processing, Sociology, Dissertation 03995
Visual perception, Color, Signal processing, Mathematical models 05336
Vocoders,
Music, Signal processing, Tracking, Dissertation 01479
Speech transmission, Channels, Parallel processing 01481
Voltage,
Ampere, Optimization, Arc furnaces, Automatic control, Feedback 03460
Amplifiers, Circuitry, Signal processing, Mathematical models, Education 07189
Amplifiers, Gyrators, Inductance, Circuitry 02423
Amplifiers, Interference, Electrostatics 03835
Amplifiers, Switches, Comparators, Filters, Signal processing 07193
Amplitude, Testing, Insulation, Statistical analysis, Flashover 00153
Analog to digital converters, Multipliers, Time measurement, Economics 00687
Antennae, Impedance, Reflection 04851
Antennae, Radiation, Conical log spiral antennae 04852
Antennae, Signal processing, Arrays, Decomposition, Numerical analysis 04836
Approximations, Channels, Metal oxide semiconductors, Field effect transistors 07586
Arc furnaces, Electric variables control, Optimization 05807
Arc furnaces, Thyristors, Protection 00111
Attenuation, Transmission lines, Coupling, Computer aided analysis 08202
Bias, Drain, Noise, Thermal variables measurement, Transistors 01231
Bias, Measurement, IMPATT diodes 05905
Bias, Metal oxide semiconductors, Field effect transistors, Simulation 09217

Voltage, (continued)
- Bipolar devices, Converters, Current, Frequency, Circuitry 05541
- Breakdown, Diodes, Doping, Planar processes 00290
- Breakdown, Discharges, Pressure, Rod-plane gaps 04935
- Breakdown, Doping, Photodiodes 03925
- Breakdown, Gallium arsenide, Field effect transistors, Microwaves 09237
- Breakdown, Gallium arsenide, Semiconductors, Pn junctions, Doping 04371
- Breakdown, Gases, Insulators 01757
- Breakdown, Insulators, Gases, Sulfur fluoride 03294
- Breakdown, Ionization, Diodes, Silicon 09080
- Breakdown, Motors, Winding, Power plants 08149
- Breakdown, Photodiodes, Arrays, Silicon, Simulation 08866
- Breakdown, Plasmas, Displays, Electrodes, Cesium 08863
- Breakdown, Pn junctions, Electric fields 02724
- Breakdown, Schottky diodes, Electric fields 01146
- Breakdown, Schottky diodes, Interfaces, Heat treatment, Al/n-Si 07556
- Breakdown, Spark gaps, Electrodes 00095
- Breakdown, Spark gaps, Electrodes, Transformers 01087
- Breakdown, Surface properties, Charge, Pnn-device 09180
- Breakdown, Switching, Pressure, Sulfur hexafluoride 08266
- Breakdown, Vacuum technology, Neutrons 00288
- Breakdown, VDMOS, Design, Fabrication 09242
- Cables, Relays, Protection, Transmission lines 06596
- Cables, Transmission lines, Codes, Procedures 05555
- Calibration, Radio frequency, Breakdown, Vacuum technology, Accelerators 00053
- Capacitance, Frequency, Resistance, Metal oxide semiconductors 03822
- Capacitance, Pulses, Harmonics, Switching 04899
- Capacitors, Analog to digital converters, Switching, Signal processing 03879
- Capacitors, Motors 08161
- Capacitors, Networks, Power systems, Transformers 07527
- Capacitors, Protection, Electric power generation 08185
- Capacitors, Reliability, Failure, Computer programs, Simulation 04898
- Capacitors, Resistors, Superconductivity, Bridges 01019
- Capacitors, Switching, Numerical analysis 00662
- Channels, Doping, Metal oxide semiconductors, Field effect transistors 02755
- Channels, Logic circuits, Transistors, Metal oxide semiconductors 02734
- Channels, Metal oxide semiconductors, Field effect transistors, Logic circuits 01215
- Charge carriers, Dissipation, Electric vehicles, Batteries 00188
- Charge, Electrodes, Potentials, Electrostatics, Symmetry 00123
- Charge, Potentials, Accelerators, Spacecraft 00470
- Charge, Spacecraft, Satellites, Surface potential 02107
- Circuit breakers, Design, Sulfur hexafluoride 08192
- Circuit breakers, Generators, Design, Current 08173
- Circuit breakers, Injection, Testing 08226
- Circuit breakers, Switching, Capacitors 00099
- Circuitry, Amplifiers, Stability, Numerical analysis, Biomedical engineering 05504
- Circuitry, Cables, Conductors 08218
- Circuitry, Control systems 08796
- Circuitry, Electric variables control, Calorimeters 08418
- Circuitry, Fault detection, Impedance, Equivalence, Numerical analysis 00665
- Circuitry, Fault detection, Testing, Multiprocessors, Signal processing 06573
- Circuitry, Mathematical models, Electric power generation, Polymers 05564
- Circuitry, Metal oxide semiconductors, Technology, CMOS SLIC 06037
- Circuitry, Piezoelectricity, Transducers, Testing, Dissertation 09146
- Circuitry, Resistors, Inductors, Diodes, Simulation 07184
- Circuitry, Transistors, Channels, Data collection 08717
- CMOS, Transistors, Design 09245
- Communication networks, Matrices, Synthesis, Algorithms 03831
- Compensators, Current, Capacitance bridges, Shunt reactors 01929
- Computer programs, Lightning, Transmission lines, Simulation 04924
- Conductors, Inductance, Electromagnetic fields, Transmission lines 00714
- Conferencing circuits, Signal processing, Amplifiers, Feedback 03849
- Contact resistance, Vibration, Wear, Connectors, Plating 07233
- Contamination, Insulators, Charge, Electrodes 01774
- Control systems, Accelerators, Electrons, Fiber optics 07721
- Control systems, Aircraft engineering, Laboratory testing 06976
- Control systems, Bridges, Signal converters, Harmonics, Filters 07216
- Control systems, Induction motors, Motors, Starters 06536
- Control systems, Induction motors, Thyristors 08155
- Control systems, Oscillators, Design, Phase shifts 07206
- Control systems, Oscillators, Resistors, Integrated circuits 07207
- Control systems, Telecommunications, Testing, Parallel processing 08265
- Control systems, Thyristors, Inverters, Harmonics 06598
- Control systems, Thyristors, Motors, Circuitry 07182
- Control systems, Transistors, Metal oxide semiconductors, Current density 09211
- Controllers, Circuitry, Automotive engineering 08799
- Controllers, Design, Thyristors 08201
- Controllers, Dynamics, Motors 03297
- Converters, Current density, Switches, Sensitivity 04900
- Converters, Magnetization, Transformers, Inductance 07528
- Cost benefit analysis, Capacitors, Switches, Energy conservation 00097
- Current, Capacitance, Modeling, Tunneling, Solar cells 07275
- Current, Coronas, Mathematical models, Statistical analysis 04904
- Current density, Electrochemical reactions, Energy conversion, Cells 08301
- Current density, Metal insulator semiconductors, Solar cells, Illumination 02506
- Current, Distortion, Measurement, Converters 08415
- Current, Electrophysiology, Neural system, Recording systems 03683
- Current, Pressure, Arcs, Sulfur hexafluoride 08199
- Current, Pulse generation, Semiconductors, Diodes 07543
- Current, Superconductivity, Solenoids, Controllers 05801
- Current, Winding, Induction motors 06534
- Decay, Charge carriers, Semiconductors, Service life, Capacitance 02688
- Decay, Service life, Charge carriers, Semiconductors, Diodes 02687
- Dielectrics, Standards, Capacitors, Ceramics 03898
- Diffusion, Glow discharge, Electrons, Thermal variables measurement 01917
- Digital to analog converters, Integrated circuits 05544

Voltage, (continued)
- Diodes, Electron guns, Current density, Camera tubes 0887
- Dipole antennae, Optimization, Frequency 0809
- Dipole antennae, Receivers, Impedance 0811
- Discharges, Electrodes, Dielectrics, Measurement 0917
- Discharges, Spark gaps, Computer aided control, Dissertation 0907
- Dislocations, Gallium arsenide, MESFET, Czochralski method, Crystal growth 0922
- Displays, Fabrication, Electrodes, Structural analysis 0889
- Dissipation, Motors, Frequency, Current, Control systems 0007
- Electric fields, Transmission lines, Bipolar devices, Conductivity 0104
- Electric power distribution, Energy consumption, Statistical analysis 0668
- Electric power distribution, Relays, Comparators, Transformers 0821
- Electric power distribution, Switchgear, Design, Costs, Reliability 0825
- Electric power distribution, Transmission lines, Lightning, Wavefronts 0009
- Electric power generation, Cross sectional measurement, Magnetohydrodynamics 0016
- Electric power generation, Electromagnetics, Transmission lines 0746
- Electric power generation, Flow, Modeling, Optimization, Algorithms 0176
- Electric power generation, Instrumentation, Radiation, Testing, Simulation 0823
- Electric power generation, Measurement, Capacitors, Transformers, Calibration 0493
- Electric power generation, Measurement, Testing, Loading 0506
- Electric power generation, Power systems, Harmonics, Current, Capacitors 0825
- Electric power generation, Power systems, Photovoltaics, Atmospheric conditions 0181
- Electric power generation, Security, Power systems, Downtime 0186
- Electric power generation, Stability, Modeling, Loading, Algorithms 0824
- Electric power generation, Stability, Oscillation, Loading, Flow 0014
- Electric power generation, Transmission lines, Calibration, Balancing, Damping 0187
- Electric variables measurement, Generators, Frequency, Switches, Furnaces 0923
- Electric variables measurement, Heterostructures, Photodiodes 0077
- Electric variables measurement, Optics, Transducers 0749
- Electric variables measurement, Transducers, Computer aided analysis 0070
- Electrodes, Fuel efficiency, Fuel cells, Dissipation 0180
- Electromagnetic waves, Waveguides, Resonance, Cavities, Signal processing 0105
- Electron guns, Lasers, Solenoids, Collectors 0093
- Electron multipliers, Gain, Saturation 0390
- Emitters, Thermal variables measurement, Integrated circuits, Electron beams 0285
- Energy conservation, Induction motors, Systems design, Optimization 0169
- Energy storage components, Superconductivity, Magnets, Breakdown 0414
- Epoxy resins, Thermal insulation, Electronic equipment, Surface properties 0493
- Excitation, Capacitance, Transmission lines, Capacitors 0008
- Failure, Phase shifts, Waveforms, Scanning electron microscopy 0127
- Fault detection, Standards, Circuit breakers, Power systems 0383
- Field effect transistors, Doping, Transconductance, Hall effect 0442
- Field effect transistors, Frequency, Power, Calibration 0120
- Field effect transistors, Logic circuits, Structural analysis, Fabrication 0277
- Field effect transistors, Metal oxide semiconductors, Carrier mobility 0274
- Field effect transistors, Modulation, Doping, Heterostructures 0277
- Field effect transistors, Thresholds, Noise, Interfaces 0121
- Filters, Controllers, Switching, Design 0714
- Filters, Signal processing, Transmission, Circuitry, Switching 0065
- Filters, Transfer functions, Synthesis, Switched capacitor filters 0711
- Finite difference method, Magnetic fields, Turbomachinery, Generators 0681
- Frequency, Coding, Converters, Circuitry 0721
- Frequency, Generators, Filters, Circuitry, Metal oxide semiconductors 0714
- Frequency, Induction motors, Electric variables control 0328
- Frequency, Signals, Tracking, Power systems 0813
- Frequency, Sinusoids 0193
- Frequency, Superconductors, Josephson junctions, Flux, Dissertation 0102
- Fuel cells, Vanadium oxide, Electrodes 0018
- Fuel technology, Ignition, Transmission lines, Discharges 00092
- Fuses, Design, Current density 06772
- Gain, Noise, Gallium arsenide, Field effect transistors, GaAs preamplifiers 05954
- Gain, Power systems, Field effect transistors, Metal oxide semiconductors 01208
- Gallium arsenide, Electrooptics, Switches, Cameras 0397
- Gallium indium arsenide, MESFET, Illumination 05986
- Gas lasers, Xenon chloride, Ultraviolet, Discharges, Gain 00949
- Generators, Charge, Switching, Circuitry 06774
- Generators, Circuitry, Lightning, Wave propagation 08139
- Generators, Inverters, Control systems, Electric power distribution 08172
- Generators, Recovery systems, Circuit breakers, Fault detection, Transformers 01716
- Grounding, Current, Numerical analysis, Computer aided analysis 08272
- Grounding, Insulators, Electric power generation 03295
- Hall effect, Thermal variables measurement, Carrier density, Semiconductors 08417
- HEMT, Transistors, Carrier concentration, Doping, Temperature 07562
- Horn antennae, Bandwidths, Electromagnetic waves 04854
- Hospitals, Fires, Safety systems 07078
- Impulse generators, Interference, Electromagnetic fields, Shielding 01786
- Indium, Bridges, Superconductivity, Dissertation 01025
- Induction motors, Electric power transmission, Theoretical analysis 08147
- Induction motors, Flux, Signal processing, Current, Inverters 01713
- Induction motors, Frequency measurement 08153
- Induction motors, Resistors, Transformers 08160
- Injection, Polarity, Space charge, Light, Emissions 08215
- Insulators, Current, Discharges, Surface properties 00716
- Insulators, Performance, Thermal variables measurement, Residual resistance 06586
- Integrated circuits, Capacitors, Failure 05578
- Integrated circuits, Commutation, Rotating bodies, Choppers, Induction machines 03276
- Integrated circuits, Noise abatement, Simulation, Power supply 02838
- Integrated circuits, Noise, Recording systems, Performance 02675
- Integrated optics, Modulators, Frequency, Waveguides, Semiconductor lasers 07754
- Integrators, Capacitors, Switching, Buffers 07180
- Interrupters, Circuitry, Electrodes, Fuses 08190
- Inverters, Design, Optimization, Circuitry, Performance 08834
- Inverters, Frequency, Electric power transmission, Current 06593
- Inverters, Inductance, Switches, Capacitors, Filters 07140
- Inverters, Transformers, Waveforms, Harmonics 02455
- Inverters, Transformers, Waveforms, Modulation 08837

ge, (continued)
T, Field effect transistors, Bipolar devices, Thermal variables measurement 07614
ephson junctions, Switching, Hysteresis, Tunneling 01015
ephson junctions, Transmission lines, Traveling waves, Numerical analysis 09096
d, Batteries, Energy storage components, Carbon, Additives 06657
ntning, Discharges, Oil, Transformers, Dielectric permittivity 01747
ntning, Insulators, Grounding, Wire 06707
iters, Current, Cooling, Interrupters, Fuses 08227
uid crystals, Physical properties, Optical communications, Converters 07298
gic circuits, Capacitors, Switching, Simulation 07249
gic circuits, Insulators, Metal oxide semiconductors, Silicon 01232
gic circuits, Modulation, Field effect transistors 01206
op antennae, Electromagnetics, Inverters 03206
gnetic fields, Computer aided control, Monitoring, Microprocessors 05088
gnetic fields, Fabrication, Instrumentation, Magnetrons 03564
gnetics, Flux, Density, Power 06623
gnetohydrodynamics, Generators, Electrical conductivity, Temperature 08288
asurement errors, Standards 00289
asurement, Pulse generation 06771
ESFET, Transport properties, Gallium arsenide, Computer aided analysis 05981
tal insulator semiconductors, Capacitors, Borazone, Diamond 04366
tal oxide semiconductors, Amplifiers, Impedance, Gain, CMOS 03847
tal oxide semiconductors, Capacitance, Computer programs, Simulation 01220
tal oxide semiconductors, Capacitors, Gamma radiation, Trapping 05579
tal oxide semiconductors, Field effect transistors, Electric fields 01222
tal oxide semiconductors, Logic circuits 01190
tal oxide semiconductors, Noise, Dielectrics, Tunneling 07611
tal oxide semiconductors, Read only memory, Programming, Bipolar devices 04412
trology, Quartz, Signal to noise ratio, Detectors 00291
crocomputers, Transducers, Error, Measurement, Frequency 05843
croelectronics, Electric variables control, Simulation, Isolation structures 09275
croprocessors, Frequency, Measurement, Instrumentation 05076
crostrips, Waveguides, Antennae 05829
ISFET, Transistors, Gates, Capacitance, Charge 07597
odeling, Converters, Output, Prediction, Dissertation 01852
odeling, Power systems 08255
odeling, Transformers, Control systems, Electric power generation, Flow 09162
odulation, Coding, Spectral analysis, Data transmission, Frequency 06388
oisture measurement, Discharges, Insulators, Switching, Spark gaps 01748
OSFET, Breakdown voltage, Doping 01185
OSFET, Field effect transistors, Boron, Doping, Numerical analysis 05962
OSFET, Field effect transistors, Design, Electric fields, Channels 09231
OSFET, Logic, Computer aided design 01186
OSFET, Transistors, Breakdown, Dissertation 05966
OSFET, Transistors, Noise, Carrier mobility 07610
otors, Controllers, Frequency, Thermal variables control, Modeling 00075
otors, Current, Control systems, Filters, Electrical conductivity 01751
umerical analysis, Differential equations, Modeling, Photodiodes, Noise 03924
pen circuit voltage, Illumination, Solar cells 08880
pen circuit voltage, Minority carriers, Lifetimes, Solar cells 05647
pen circuit voltage, Nickel oxide, Electrodes, Electrochemical reactions 06671
pen circuit voltage, Phosphorus, Precipitation, Silicon, Solar cells 05626
pen circuit voltage, Primary cells, Impedance, Charge 03339
pen circuit voltage, Recombination, Performance, Silicon, Solar cells 05615
pen circuit voltage, Silicon, Pn junctions, Solar cells 05004
pen circuit voltage, Silicon, Solar cells, Electric fields, Boron 05638
pen circuit voltage, Silicon, Solar cells, Optimization 03935
pen circuit voltage, Silicon, Solar cells, Stress, Diffusion 08339
pen circuit voltage, Solar cells, Photovoltaics, Concentrators 05655
pen circuit voltage, Solar cells, Temperature, Heterojunctions, Modeling 05645
ptimization, Power plants, Scheduling, Security, Buses 01773
ptimization, Power systems, Linear programming 08236
scillation, Superconductors, Inductance, Niobium, Titanium 04160
scillators, Integrated circuits, Thermal variables measurement 07202
scillators, Signal processing, Vectors, Phase locked loops, Dissertation 07201
utput, Electrical resistance, Potentiometers, Numerical analysis 07183
hase shifts, Capacitors, Velocity, Impedance, Circuitry 07181
hotodiodes, Fabrication, Liquid phase epitaxy, Etching, Performance 05600
hotodiodes, Switches, Semiconductors, Control systems 02491
hotovoltaics, Inverters, Switching, Harmonics, Motors 08874
olyethylene, Stress, Defects, Insulators 05565
olymers, Insulators, Electric power distribution, State of the art, Standards 08213
olymers, Insulators, Surface properties, Short circuits 04934
olyvinylidene fluoride, Piezoelectricity, Transducers 05844
otentials, Numerical analysis, Junctions, Semiconductors 02695
ower, Amplifiers, Amplitude, Modulation, Radio frequency 08812
ower supply, Materials testing, Process development, Control systems 04906
ower systems, Electric variables control, Linear programming 08183
ower systems, Flow, Mathematical models 06702
ower systems, Power supply, Design, Reliability 08369
ower systems, Transformers, Cables 08194
ower systems, Transistors, Inverters, Transportation 03300
ressure, Electric fields, Sodium, Lamps 08902
rotection, Metal oxide semiconductors, Field effect transistors 04419
rotection, Relays, Transmission lines, Electromagnetic waves, Detectors 01718
rotection, Transients, Mainframes, Electric power transmission 01877
ulse generation, Amplifiers, Transistors 02445
uantum wells, Heterostructures, Transistors, Logic circuits, Fabrication 08502
uenching, Thermal variables measurement, Magnets, Superconductivity 04225
adiation, Dosimetry, Performance, Nuclear energy 03462
adios, Receivers, Surface acoustic waves, Oscillators 09322
ead only memory, Metal oxide semiconductors, Programming, Circuitry, Arrays 04510
ecombination, Numerical analysis, Cadmium mercury telluride 05143
egulation, Costs, Design, Linear programming 08245
esistors, Switches, Ignition, Circuit breakers 06590
esonance, Harmonics, Power systems 06620

Voltage, (continued)
Safety systems, Electric power generation 04927
Scanning, Magnetization, Solenoids 08459
Scattering, Fabrication, Gallium arsenide, MESFET 07600
Schottky barriers, Rectifiers, Leakage current 09197
Schottky diodes, Power supply, Breakdown, Resistivity 01139
Schottky diodes, Video systems, Far infrared, Detectors 07558
Sensors, Insulators, Interfaces, Energy bands, Electrolytes 00723
Sensors, Surface acoustic waves, Polarization, Thermal variables measurement 01986
Service life, Metal oxide semiconductors, Capacitors 00729
Short circuits, Photoelectric effect, Solar cells 00787
Signal converters, Tunnel junctions, Superconductivity, Resistors 04172
Signal processing, Synchronization, Amplifiers, Frequency, Integrators 00702
Silicon, Pressure, Sensors, Performance 08384
Silicon, Transistors, Contacts, Transconductance, Capacitance 09203
Simulation, Control systems, Induction motors, Loading, Algorithms 06522
Simulation, Silicon, Electronic equipment, Integrated circuits, Design 00283
Solar cells, Current density, Mathematical models 07285
Solar cells, Junctions, Space charge, Drift 02514
Solar cells, Pn junctions, Charge carriers, Current density 03929
Solar cells, Schottky diodes, Barrier heights, Short circuits, Al-P-N 00798
Solar cells, Silicon, Doping, Performance 08334
Solar cells, Surface properties, Visible range, Emitters, Wavelengths 00805
Solar cells, Tunnel junctions, Power, Numerical analysis 00801
Solitons, Phases, Microwaves, Amplifiers 03840
Space charge, Electrons, Injection, Electroluminescence 05683
Spark gaps, Atmospheric conditions, Protection, Flashover, Moisture measurement 00117
Spark gaps, Frequency, Current, Service life 06773
Stability, Acoustooptics, Oscillators 00853
Stability, Electric power generation, Transmission lines, Networks 01749
Stators, Power supply, Induction motors, Control systems, Rectifiers 00073
Stepping motors, Magnetics, Drives, Dissertation 06543
Stress, Cables, Thermal variables measurement, Finite difference method 08273
Stress, Schottky diodes, Metals, Gallium arsenide, Contacts 02715
Superconductivity, Magnetic fields, Solenoids, Nb_3Sn 04209
Superconductivity, Oscillators, Microwaves, Josephson junctions 04053
Surface acoustic waves, Schottky diodes, Storage, Circuitry, Capacitance 09196
Surges, Armature, Coil winding machines, Modeling 01717
Switches, Integrated circuits, Control systems, Metal oxide semiconductors 08795
Switches, Magnetic fields, Current, Performance 08212
Switches, Semiconductors, Converters, Rectifiers 03870
Switchgear, Design, Safety 08191
Switching, Capacitors, Transmission lines, Dissipation, Optimization 01743
Switching, Electric variables control, Measurement, Instrumentation, Design 06588
Switching, Josephson junctions, Superconductivity, Electrical resistivity 04150
Switching, Networks, Protection 08195
Switching, Power systems 04937
Switching, Pressure, Current, Disconnectors 06581
Synchronous machines, Loading, Electric variables control 08156
Synchronous motors, Sensors, Torque, Commutation 06540
Systems design, Photovoltaics, Inverters, Capacitors, Harmonics 01721
Televisions, Integrated circuits, Memory, Pulse code modulation, Receivers 02962
Televisions, Integrated circuits, Research and development 02963
Televisions, Receivers, Antennae, Interference, Impedance 08094
Temperature, Converters, Thermistors, Resistors 08395
Testing, Standards, Capacitance, Circuit breakers 00107
Testing, Thin films, Capacitors, Service life 02479
Thermal insulation, Epoxy resins, Composite materials, Discharges 00717
Thermal variables measurement, Arcs, Inductance, Circuit breakers 00106
Thermal variables measurement, Field effect transistors 02732
Thermal variables measurement, Memory, Pulse generation, Area measurement 06770
Thermal variables measurement, Metal nitride oxide semiconductors 01203
Thickness measurement, Electroluminescence, Zinc sulfide 00817
Thin films, Electric variables control, Displays, Circuitry, Failure 08890
Thyratrons, Helium, Excimer lasers, Current 07344
Thyratrons, Switches, Amplitude, Circuitry 07496
Thyristors, Switching, Pulse generation 06784
Tokamaks, Magnetic fields, Fusion, Nuclear reactors 00170
Tracking, Frequency, Microcomputers, Realtime systems, Measurement 00093
Transducers, Algorithms, Numerical analysis, Nonlinear equations, Current 02659
Transducers, Dielectrics, Polarization, Electrets 07501
Transducers, Magnetoresistance, Hall effect, Configurations 02668
Transfer functions, Networks, Measurement 07168
Transformers, Capacitors, Reactors, Triacs, Converters 08200
Transformers, Induction motors, Power systems, Optimization, Capacitors 08357
Transformers, Insulators, Thermal variables control, Icing 07242
Transmission lines, Electric power transmission, Numerical analysis 00087
Transmission lines, Fault detection, Insulators, Corona, Discharges 00100
Transmission lines, Power supply, Input output, Protection, Controllers 03306
Transmission lines, Service life, Breakdown, Polymers 00101
Transmission lines, Switching, Circuit breakers, Systems design 01775
Transmission lines, Telephones, Harmonics, Magnetic fields, Interference 01466
Turbines, Generators, Cooling systems, Testing 08175
Varactors, Superconductivity, Oscillators, Phase shifts, Stability 03859
Velocity, Current, Integrated circuits, Size measurement, Switching 01176
Velocity, Motors, Servomechanisms, Nondestructive testing, Electromotive force 00074
Video systems, Recording systems, Integrated circuits, Signal processing 02937
Voltage dividers, Design, Computer aided analysis 08206
Wave propagation, Electric power generation, Coronas, Attenuation, Lightning 04929
Waveforms, Amplitude 03866
Waveforms, Time measurement, Instrumentation, Displays 02001
X-ray diffraction, Metering, Pulse generation, Photodiodes, Detectors 08862

Voltameters,
Protection, Electrolysis, Corrosion prevention 03461

Voltammetry,
Anodes, Electrochemistry, Current density 00183

Volume measurement,
Lasers, Anemometers, Probes, Thermistors, Instrumentation 04037
Piezometers, Capacitance, Transducers, Pressure, Liquids 07514
Vortices,
Magnetic variables measurement, Underwater technology, Sensors, Hydrodynamics 03495

Waste heat,
Energy recovery, Cogeneration, Paper industry, Cost benefit analysis, Cables 01696
Protection, Industrial waste disposal, Cogeneration 03299
Waste treatment,
Flux, Neutrons, Radioactive materials handling, Dosimetry 02487
Wastes,
Batteries, Materials recovery, Lead, Process development 03333
Wastewater treatment,
Nuclear reactors, Radiation dosimetry, Research and development 03432
Particulates, Electrochemistry, Reactors, Fluidized bed processing 08313
Separators, Reliability, Productivity, Entropy, Testing 08495
Water pollution,
Nondestructive testing, Conductivity, Electrical resistivity, Geodesy 02167
Oil, Microwaves, Dielectric constants, Remote sensing 03444
Water supply,
Distribution, Control systems, Telemetry, Communications 04590
Microcomputers, Control systems, Hydroelectric power generation, Loading 03381
Optimization, Simulation, Hydroelectric power generation, Meteorology 03380
Water treatment plants,
Fluidized bed processing, Solar energy, Economics, Desalination plants 00198
Pumping stations, Monitoring, Control systems, Reservoirs 08576
Wattmeters,
Transducers, Stability, Calorimetry 09160
Wave propagation,
Acoustic emissions, Ceramics, Elasticity, Tensile strength 01984
Acoustic emissions, Cytology, Biomedical engineering, Thickness measurement 00346
Acoustic variables measurement, Statistical analysis, Underwater technology 03107
Acoustic waves, Electromagnetics 03503
Acoustic waves, Equations of motion, Dissertation 08478
Acoustic waves, Gas dynamics, Conductivity 00341
Acoustic waves, Signal transmission, Oceanography, Sonar, Dissertation 04730
Acoustics, Boundary layers, Laminar flow, Anemometers 01980
Acoustics, Crystals, Phase transitions 03525
Acoustics, Diffraction, Numerical analysis, Dissertation 03505
Acoustics, Granular materials, Numerical analysis, Ducts 00327
Acoustics, Holography, Frequency, Vibration 00328
Acoustics, Microwaves, Neurology, Pressure 00525
Acoustics, Sensors, Silicon dioxide, Lithium niobate, Research and development 05121
Acoustics, Velocity, Transformers 09165
Acoustics, Waveguides, Superfluidity, Helium 05826
Amplitude, Modulation, Signals 03196
Antennae, Amplitude, Spectral analysis, Turbulence, Atmospheric conditions 08124
Antennae, Dielectric constants, Frequency, Numerical analysis 09172
Antennae, Dipoles, Image theory 08117
Antennae, Far field phase information 01659
Antennae, Interference, Communications, Reflection, Polarization 08106
Antennae, Radios, Telephones, Signal to noise ratio, Mobile systems 01458
Atmospheric conditions, Communications, Waveguides 06436
Attenuation, Electromagnetic waves, Transparency, Atmospheric conditions 04822
Attenuation, Fiber optics, Modes, Radiometry, Filters 01347
Audio systems, Frequency, Pressure, Ultrasonics 09475
Audio systems, Public address systems, Performance 03075
Audio systems, Sound reinforcement, Public address systems 03073
Backscattering, Refractive indices, Fiber optics 09371
Circuitry, Electromagnetic fields 02449
Circuitry, Lightning, Voltage, Generators 08139
Communication networks, Microwave devices, Path location, Interference, Hungary 01454
Communications, Navigation, Modeling 06279
Computer programs, Radios, Modeling, Minicomputers, Satellite communications 01602
Coupling, Plasmas, Heating, Tokamaks 08292
Delay, Parameter estimation 03828
Dielectricity, Antennae, Waveguides, Millimeter waves 03247
Dielectrics, Waveguides, Reflection, Attenuation 09122
Diffraction, Electromagnetic waves, Numerical analysis, Dissertation 00019
Diffraction, Electromagnetics, Plasmas, Numerical analysis 08060
Diffraction, Polarization, Holography, Recording systems, Optics 09044
Diffraction, Scattering, Impedance 01611
Dispersion, Turbulence, Numerical analysis 00008
Elasticity, Coupling, Reflection, Refraction 00339
Electromagnetic fields, Mathematical models, Huygens principle 08007
Electromagnetic fields, Maxwell equations, Ionosphere, Troposphere 00317
Electromagnetic fields, Numerical analysis, Quantum mechanics, Polarization 08008
Electromagnetic fields, Optical systems, Image processing 00885
Electromagnetic fields, Reciprocity, Energy conservation, Mathematical models 01622
Electromagnetic waves, Antennae, Geometry, Scattering 04815
Electromagnetic waves, Antennae, Modes, Excitation 06487
Electromagnetic waves, Astrophysics, Azimuth, Anisotropy, Magnetic fields 06443
Electromagnetic waves, Coherence, Scattering 03250
Electromagnetic waves, Dielectricity, Absorption, Scattering 06432
Electromagnetic waves, Diffraction, Scattering, Plasmas 06450
Electromagnetic waves, Diffraction, Waveguides, Computer aided analysis 06415
Electromagnetic waves, Oceanography, Acoustics, Sonar 02275
Electromagnetic waves, Oceanography, Atmospheric conditions 01634
Electromagnetic waves, Plasmas, Dielectrics, Frequency 06447
Electromagnetic waves, Plasmas, Electric fields, Stability 08059
Electromagnetic waves, Plasmas, Oscillation 06419
Electromagnetic waves, Radar, Troposphere 06301
Electromagnetic waves, Reflection, Amplification, Atmospheric conditions 06445

Wave propagation, (continued)
Electromagnetic waves, Scattering, Cross sectional measurement 000
Electromagnetic waves, Scattering, Dielectrics, Numerical analysis 064
Electromagnetic waves, Scattering, Hydrometeors, Numerical analysis 048
Electromagnetic waves, Scattering, Refractive indices, Troposphere, Antennae 064
Electromagnetic waves, Scintillation, Coherence, Turbulent flow 032
Electromagnetic waves, Spectroscopy, X-rays 002
Electromagnetic waves, Surface properties, Metals, Dissertation 000
Electromagnetic waves, Surface properties, Polarization, Dispersion 032
Electromagnetic waves, Thin films, Superconductors 000
Electromagnetic waves, Transmission lines, Plasmas, Attenuation 064
Electromagnetic waves, Waveguides, Harmonics 032
Electromagnetics, Acoustics, Rayleigh scattering, Iron 000
Electromagnetics, Antennae, Waveguides 091
Electromagnetics, Backscattering 080
Electromagnetics, Cylindrical antennae, Frequency, Backscattering, Diffraction 080
Electromagnetics, Dielectrics, Medical electronics 080
Electromagnetics, Diffraction, Coherence, Acoustics, Control systems 008
Electromagnetics, Diffraction, Current 080
Electromagnetics, Diffraction, Numerical analysis 008
Electromagnetics, Diffraction, Scattering, Radar 080
Electromagnetics, Diffraction, Theoretical analysis 064
Electromagnetics, Dispersion, Frequency, Chirp 080
Electromagnetics, Fiber optics, Cables 093
Electromagnetics, Fiber optics, Joints, Statistical analysis 013
Electromagnetics, Fiber optics, Lasers, Spectral analysis 077
Electromagnetics, Fiber optics, Modes, Joints 013
Electromagnetics, Integral equations, Green functions, Boundary value problems 064
Electromagnetics, Maxwell equations, Resonators, Antennae 064
Electromagnetics, Noise, Coal mining, Communications 068
Electromagnetics, Numerical analysis 080
Electromagnetics, Optics, Waveguides, Coupling 080
Electromagnetics, Oscillation, Absorption, Spectral analysis 032
Electromagnetics, Polarization, Antennae 081
Electromagnetics, Polarization, Fiber optics, Modes, Birefringence 013
Electromagnetics, Pulse generation, Frequency, Emissions 080
Electromagnetics, Radiation, Antennae 081
Electromagnetics, Reflection, Water, Cylindrical antennae 081
Electromagnetics, Refraction, Kalman filters, Navigation, Space technology 094
Electromagnetics, Scattering, Dipoles, Computer aided analysis, Dissertation 080
Electromagnetics, Scattering, Dissertation 080
Electromagnetics, Scattering, Satellite communications, Microwaves 032
Electromagnetics, Transmission electron microscopy, Numerical analysis 064
Electromagnetics, Transmission lines, Dielectrics, Interfaces, Dissertation 080
Electromagnetics, Turbulence, Reflection, Frequency 064
Electromagnetics, Waveguides, Maxwell equations 080
Electromagnetics, Waveguides, Numerical analysis, Galerkin method 010
Electromagnets, Magnetic fields, Vibration, Measurement 084
Electrons, Electrostatics 000
Excitation, Oscillation, Numerical analysis 064
Fiber optics, Birefringence, Polarization, Stress 093
Fiber optics, Communications, Stability, Semiconductor lasers 040
Fiber optics, Coupling, Pulses, Flow, Numerical analysis 0614
Fiber optics, Data communications, Structural analysis, Design 045
Fiber optics, Modes, Dispersion 0134
Fiber optics, Transducers, Photoelasticity, Strain, Deformation 077
Fiber optics, Waveguides, Dielectrics 0002
Filtering, Electromagnetic waves, Image processing, Surface properties 0160
Finite element method, Acoustics, Waveguides 0510
Finite element method, Microwaves, Electromagnetics, Waveguides 0431
Fluid dynamics, Dielectric permittivity, Millimeter waves 0109
Free electron lasers, Amplifiers, Numerical analysis 0092
Frequency, Computer aided analysis 0843
Frequency, Resonance, Atmospheric conditions, Electric fields 0058
Gas lasers, Radiation, Refractive indices, Numerical analysis 0901
Green functions, Theorem proving, Decomposition, Boundary value problems 0640
Image processing, Radar, Oceanography, Bathymetry 0227
Impedance, Tilt measurement, Trapping 0162
Inspection, Ultrasonics, Scattering, Modeling, Elastic waves 0197
Integrated circuits, Millimeter waves, Dielectric constants, Waveguides 0105
Ionosphere, Plasmas, Modeling, Transmitters, Heterodyne reception 0707
Lasers, Coupling, Optics 0733
Lasers, Latex, Particles, Attenuation, Dissertation 0574
Lasers, Polarization, Electromagnetic waves, Scattering 0001
Lasers, Radiation, Hysteresis, Pumping 0897
Light, Fiber optics, Bandwidths, Attenuation 0776
Light scattering, Silver, Surface properties, Surface roughness, Dissertation 0804
Magnetic fields, Cyclotrons, Resonance, Masers 0736
Magnetization, Ferrites, Films, Cubic crystals 0350
Magnetostatics, Plasmas, Conductivity 0002
Measurement errors, Sensors, Pressure, Oceanography 0227
Meteorology, Modeling, Remote sensing, Oceanography, Project engineering 0227
Microwaves, Frequency, Attenuation, Atmospheric conditions 0804
Microwaves, Indium antimonide, Plasmas, Electromagnetic fields 03231
Microwaves, Millimeter waves, Oscillators, IMPATT diodes, Gain 01135
Microwaves, Modeling 08084
Microwaves, Refractive indices, Atmospheric conditions, Wet air 08046
Microwaves, Turbulent flow, Cosmic radiation 03443
Military engineering, Radios, Mobile systems, Data transmission 01300
Millimeter waves, Attenuation, Atmospheric conditions, Humidity 08048
Millimeter waves, Communications, State of the art, Book 06420
Millimeter waves, Generators, Power, Computer aided analysis, Gyro-peniotrons 08828
Millimeter waves, Modeling, Atmospheric conditions, Attenuation 08050
Millimeter waves, Semiconductors, Plasmas, Magnetization, Resonance 00031
Modeling, Electrochemistry, Structural analysis 00517
Modeling, Turbulence, Electromagnetics, Algorithms, Simulation 03211

propagation, (continued)
ndestructive testing, Acoustic emissions, Measurement errors 01983
ndestructive testing, Ultrasonics, Lubricants, Time measurement 00336
eanography, Buoys, Calibration, Sensitivity 02267
eanography, Buoys, Sensors, Measurement errors 02269
eanography, Buoys, Spectral analysis 02268
eanography, Transfer functions, Filters 07051
tics, Image processing, Aberration, Reflection, Dissertation 06414
cillation, Far infrared, Lasers, Waveguides 08989
cillation, Gas lasers, Pumping 00970
smas, Signal converters, Electromagnetic waves, Electron beams 00034
arization, Current, Antennae, Integral equations 08021
wer systems, Relays, Design, Performance 08268
ecipitation, Compensators, Data transmission, Depolarization 01635
ecipitation, Radio frequency, Polarization, Coherence 01616
se generation, Conductors, Explosions, Shock waves 03884
se generation, Transmitters, Electromagnetic waves, Antennae 04845
se generation, Velocity, Ultrasonics, Indium 01969
dar, Image processing, Remote sensing, Modulation, Water depth 01525
dar, Refraction, Atmospheric conditions 01617
diation, Signal converters, Image processing 04816
dio communications, Minicomputers, Satellite communications 04801
dio communications, Navigation, Electronics, Microprocessors 03087
dio frequency, Attenuation, Mathematical models 01619
dio frequency, Ionosphere, Geomagnetism, Collisions, Numerical analysis 08664
dio frequency, Microwaves, Atmospheric conditions, Refraction, Radar 06441
dio frequency, Refractive indices 06418
dio frequency, Scattering, Mathematical models 01612
dio frequency, Signal processing, Receivers 01615
dio waves, Diffraction 08018
dio waves, Ray tracing, Troposphere, Numerical analysis 08047
dio waves, Troposphere, Water vapor, Meteorology, Atmospheric conditions 08011
dios, Signal processing, Probability, Frequency, Modulation 01302
flection, Electromagnetic waves 06417
flection, Polarization, Electromagnetics 08033
flection, Transmission lines, Mathematical models, Laplace transforms 09094
sonance, Acoustics, Viscoelasticity, Materials testing 01966
sonance, Waveguides, Nonlinear systems, Numerical analysis 09117
tating bodies, Electromagnetic fields, Modulation 01664
attering, Absorption, Polarization, Foliage 00010
attering, Attenuation, Fiber optics, Degradation 08025
attering, Elasticity, Frequency, Velocity, Porosity 03528
attering. Electromagnetic waves, Precipitation 01610
attering, Magnetic fields, Conductivity, Rotating bodies 08120
attering, Polarization, Electromagnetic waves, Numerical analysis 00016
attering, Surface properties, Modeling 08019
attering, Waveguides, Numerical analysis, Finite element method 08027
attering, Waveguides, Perturbation 04805
ismology, Frequency, Noise, Filters, Dissertation 08663
miconductor lasers, Optics, Design, Cost benefit analysis 05758
miconductors, Gallium arsenide, Lithium niobate, Photoemissions 00836
ape measurement, Ellipsoids, Electromagnetic fields 01947
ock waves, Dielectrics, Deformation, Differential equations 05886
gnal processing, Acoustics, Diodes, Dissertation 08471
gnal processing, Integrated circuits, Energy, Delay, Technology 09281
ver halide, Fiber optics, Attenuation, Optical analysis 07725
mulation, Ion implantation, Electromagnetics, Lithium niobate 06438
il science, Oceanography, Acoustics, Geophysics 00562
nar, Electromagnetic waves, Acoustics, Interferometry, Dissertation 01536
ability, Flow, Vibration, Blades, Aerodynamics 08466
eel, Glass, Ultrasonics, Nondestructive testing 06852
ress, Strain, Acoustics, Numerical analysis, Dissertation 06846
rface acoustic waves, Deformation, Stress, Equations of motion 06721
rface acoustic waves, Lithium niobate, Attenuations, Dissertation 05118
rface acoustic waves, Quartz, Piezoelectricity, Electrodes 01967
rface properties, Scattering, Electromagnetic waves 01614
rface waves, Magnetics, Plasmas, Semiconductors 01641
mmetry, Green equations, Electromagnetic fields 01627
ansducers, Surface acoustic waves, Silicon dioxide, Lithium niobate 05119
ansmission lines, Solitons, Coupling, Kinematics 06416
aveling waves, Fault detection, Surges, Transmission lines 01763
ning, Superconductors, Frequency 04052
rbulence, Atmospheric conditions, Electromagnetic waves 01631
trasonics, Aluminum, Surface properties 08472
trasonics, Attenuation 00329
trasonics, Attenuation, Ferroelectric crystals, Phase transitions 03533
trasonics, Electromagnetic waves, Glass, Amorphous materials 03222
trasonics, Phase transitions 01993
trasonics, Scattering, Polystyrene, Particles, Dissertation 06860
trasonics, Scattering, Surface acoustic waves, Spectral analysis 01624
elocity, Switches, Modulators, Optics 08912
oltage, Electric power generation, Coronas, Attenuation, Lightning 04929
aveguides, Electromagnetic fields, Signal processing, Classification 03477
aveguides, Fibers 09394
aveguides, Photons, Frequency, Echo 09111
eforms,
coustics, Speech recognition, Interactive systems, Audio systems 01480
rcuitry, Machinery, Synchronization, Computer programs, Simulation 00064
rcuitry, Time measurement, Waveform generators 03868
urrent voltage, Capacitors, Rectifiers, Power systems 04938
urrent voltage, Pulse generation, Semiconductors, Detectors 02721
scharges, Current, Pulse generation, Inductance 03865
stortion, Power systems, Monitoring, Standards 01779
ters, Spectral analysis, Signal processing, Fourier transforms 08762
ourier analysis, Interpolation, Algorithms, Storage, Signal processing 09536
equency, Synchronization, Spread spectrum communications, Mathematical models 03478

Waveforms, (continued)
Generators, Counters 05536
Generators, Signal processing, Interference, Frequency, Converters 08432
Integrated circuits, Simulation, Computer aided design, SABLE 07623
Inverters, Harmonics, Commutation, Fabrication 07214
Microprocessors, Current voltage, Measurement, Frequency, Error 03463
Microwave devices, Oscillators, Numerical analysis 00697
Minimax, Radar, Game theory, Signal processing, Dissertation 04715
Modeling, Computer aided design, Lightwaves, Noise 07700
Modulation, Inverters, Transformers, Voltage 08837
Optical communications, Relaxation, Estimation, Signal processing, Modulation 07310
Pulse generation, Power supply, Coil winding machines, Signal converters 00068
Radio communications, Distortion, Antennae 07689
Seismology, Signal processing, Dissertation 06856
Signal processing, Noise, Energy, Speech synthesis 04694
Signal transmission, Noise, Synchronizers, Delay 07928
Signals, Filters, Pulses, Delay, Ambiguity 08737
Spectral analysis, Signals, Modulation, CPFSK signals 09528
Speech recognition, Signal processing, Decomposition, Functions, Dissertation 06326
Spread spectrum communications, Filters, Quantization, Signal to noise ratio 07133
Superconductivity, Josephson junctions, Modeling 04163
Switching, Capacitors, Circuitry, Input output, Difference equations 05485
Time measurement, Synchronizers, Delay, Noise 07927
Transformers, Inverters, Voltage, Harmonics 02455
Transmission lines, Simulation, Computer aided instruction, Microcomputers 04302
Ultrasonics, Doppler shift, Spectral analysis, Cardiovascular system 02153
Ultrasonics, Scanning, Signal processing, Resolution 01564
Voltage, Amplitude 03866
Voltage, Time measurement, Instrumentation, Displays 02001
Waveform generators, Converters, Circuitry 03875
Waveform generators, Stability, Oscillators, Modeling, Biology 05535
Waveguides, Electromagnetics, Maxwell equations 08042
Wavefronts,
Phase shifts, Mixing, Image processing, Light scattering 00846
Voltage, Electric power distribution, Transmission lines, Lightning, Counters 00098
Waveguides,
Absorption, Microwaves, Filters 09120
Acoustics, Resonance, Frequency, Porosity, Cryogenics 08473
Acoustics, Wave propagation, Superfluidity, Helium, Dissertation 05826
Acoustooptics, Integrated circuits, Signal processing, Dissertation 00851
Amplifiers, Millimeter waves, Signal processing, Gyrotrons 07194
Amplifiers, Modes, Lasers, Wigglers 00932
Annular slot arrays, Excitation, Magnetic fields 04317
Antennae, Coupling, Optimization, Computer aided analysis 06483
Antennae, Design, Optimization 06490
Antennae, Electromagnetics, Wave propagation 09112
Antennae, Microwaves, Bandwidths, Satellite communications 08123
Atmospheric conditions, Communications, Wave propagation 06436
Bandwidths, Differential equations, Optics, Regression analysis 02646
Calibration, Frequency, Horn antennae 01059
Calibration, Millimeter waves, Networks, Scattering 08029
Carbon dioxide, Gas lasers, Design, France 01056
Carbon dioxide, Gas lasers, Design, Pumping 05773
Carbon dioxide, Gas lasers, Excitation, Radio frequency 07392
Cavities, Plasmas, Microwaves, Frequency 00035
Circulators, Design, Insertion loss, Isolation loss 02649
Coatings, Fabrication, Refractive indices 07481
Combiners, Couplers, Electric fields, Magnetic fields 00052
Conductors, Transmission lines, Impedance 00707
Couplers, Image processing, Millimeter waves, Transmission 09109
Coupling, Sensors, Fiber optics, Polarization 07486
Cross sectional measurement, Conductors, Dissipation, Optimization 04310
Data communications, Circuitry, Optics 05823
Deflectors, Surface acoustic waves, Integrated circuits, Acoustooptics 03975
Dielectric constants, Infrared, Light transmission 02650
Dielectric constants, Wave propagation, Integrated circuits, Millimeter waves 01050
Dielectricity, Gunn oscillators, Image processing 05533
Dielectricity, Wave propagation, Antennae, Millimeter waves 03247
Dielectrics, Band pass filters, Band stop filters, Frequency 07485
Dielectrics, Coatings 04358
Dielectrics, Couplers, Interferometers 05888
Dielectrics, Coupling, Horn antennae, Dissertation 06500
Dielectrics, Cyclotrons, Amplifiers, Electron beams 07199
Dielectrics, Design, Optimization, Radiation loss, Volume current method 07491
Dielectrics, Fabrication, Titanium dioxide, Silicon dioxide, Films 05887
Dielectrics, Fiber optics, Wave propagation 00025
Dielectrics, Filters, Transmission lines 09110
Dielectrics, Interferometers, Modulation, Switching, Millimeter waves 04833
Dielectrics, Lenses, Chirp, Perturbation 07489
Dielectrics, Millimeter waves, Antennae, Dissertation 06491
Dielectrics, Millimeter waves, Design, Integrated circuits, Reliability 01047
Dielectrics, Millimeter waves, Integrated circuits, Fabrication 04318
Dielectrics, Reflection, Attenuation, Wave propagation 09122
Dielectrics, Resonators, Coupling, Theoretical analysis 07492
Dielectrics, Semiconductor lasers, Optical analysis, Perturbation 04013
Discontinuities, Scattering, Structural analysis 05827
Electric fields, Cells, Dielectrics, Microwaves 06455
Electric fields, Impedance, Green functions 06474
Electrical resistivity, Pulse generation, Microwaves, Diodes 03245
Electromagnetic fields, Electric power transmission, Frequency, Polarization 05828
Electromagnetic waves, Diffraction, Wave propagation, Computer aided analysis 06415
Electromagnetic waves, Dispersion, Helices, Frequency 01057
Electromagnetic waves, Voltage, Resonance, Cavities, Signal processing 01058
Electromagnetics, Coupling, Modes, Statistical analysis 01054
Electromagnetics, Dispersion, Maxwell equations, Differential equations 09116
Electromagnetics, Electron beams, Mode conversion, Retarding systems 01892

Waveguides, (continued)
Electromagnetics, Modal analysis 04809
Electromagnetics, Wave propagation, Numerical analysis, Galerkin method 01055
Electrooptics, Anisotropy, Liquid crystals, Electric fields 07313
Electrooptics, Photoconductors, Electron beams 01048
Far infrared, Lasers, Oscillation, Microwaves 05736
Far infrared, Lasers, Oscillation, Wave propagation 08989
Ferrites, Microwaves, Faraday rotation, Magnetic fields, Tensor permeability 05095
Fiber optics, Signal processing, Integrated circuits, Data transmission 01335
Fiber optics, Telecommunications, Refractive indices, Heterostructure lasers 07758
Fiber optics, Telephones, Multiplexing, Data transmission 01471
Fibers, Wave propagation 09394
Filters, Fabrication, Research and development 04311
Finite element method, Acoustics, Wave propagation 05108
Finite element method, Microwaves, Electromagnetics, Wave propagation 04314
Free electron lasers, Magnetic fields, Particles 00929
Frequency, Loading, Resonators, Numerical analysis, Dielectrics 03241
Frequency, Photons, Echo 09111
Frequency, Resonators, Algebra, Approximations 09106
Gas lasers, Acoustooptics, Spectroscopy, Fiber optics, Dissertation 00855
Gas lasers, Design, Tuning, Pressure 09011
Gas lasers, Pressure, Tuning, Frequency, Design 09028
Glass, Optical properties, Oxides 04319
Glass, Thin films, Refractive indices, Light scattering 01051
Gunn effect, Oscillators, Design, Tuning 08067
Gunn effect, Oscillators, Tuning, Klystrons 06452
Gyrotrons, Amplifiers, Magnetic fields, Simulation 08082
Gyrotrons, Coupling, Transmissions, Millimeter waves 09113
Gyrotrons, Traveling waves, Amplifiers, Magnetic fields, Numerical analysis 07948
Harmonics, Electromagnetic waves, Wave propagation 03234
Heterostructure lasers, Fabrication, GaInAsP/InP 07373
Image processing, Diffraction gratings, Dielectric constants, Filters 03779
Imaging, Magnetic fields, Electric fields 07483
Impedance, Gyrotrons, Couplers 03466
Impedance, Reflection, Electromagnetics 08024
Impedance, Theoretical analysis 09118
Indium antimonide, Dielectrics, Four wave mixing, Cross sectional measurement 09107
Infrared, Lasers, Pumping, Radio waves 08405
Infrared, Lasers, Pumping, Radio waves 08967
Injection, Lasers, Refractive indices, Temperature, Stability 04007
Injection, Semiconductor lasers, Heterostructures 04320
Integrated circuits, Dielectrics, Radiation, Fabrication, Testing 04313
Integrated circuits, Matching, Spectral analysis, Design 01045
Integrated circuits, Optical devices, Impedance, Dissertation 01053
Interferometers, Modulators, Electrooptics, Lithium niobate 00838
Junctions, Heterostructure lasers, Stability, Diffusion 00923
Junctions, Transmission lines, Modes 01044
Kinematics, Lasers, Magnetic fields, Amplifiers 00935
Lasers, Carrier waves, Beam propagation 00940
Lasers, Photodetectors, Integrated circuits, Signal processing, Dissertation 01049
Launching facilities, Plasma heating, Fusion, Gyrotrons 06454
Lithium niobate, Design, Fabrication, Dissertation 05824
Lithium niobate, Doping, Titanium, Couplers, Refractive indices 07482
Lithium niobate, Electrooptics, Fabrication, Optical devices 02645
Lithium niobate, Fabrication, Titanium, Diffusion 01052
Lithium niobate, Titanium, Diffusion, Performance, Optics 05825
Mathematical models, Fiber optics, Polarization 09388
Maxwell equations, Electromagnetics, Wave propagation 08042
Microwaves, Radiation, Biology, Adsorption 03235
Microwaves, Striplines, Cutoff 08065
Millimeter waves, Couplers, Computer aided design 07484
Millimeter waves, Mixers, Design, Performance 06453
Millimeter waves, Sensors, Missiles, Guidance and control systems 00494
Modeling, Semiconductor lasers, Heterostructure lasers, Quantum mechanics 04019
Modulation, Heterostructure lasers, InGaAsP 09115
Modulation, Switching, Reflection, Channels, Electrooptics, Dissertation 01061
Modulators, Integrated optics, Voltage, Frequency, Semiconductor lasers 07754
Modulators, Interferometry, Titanium lithium niobium trioxide, Ti:LiNbO$_3$ 09108
Networks, Performance 09121
Numerical analysis, Tapers, Mode conversion, Performance 07487
Optical properties, Computer aided analysis, Research and development 07735
Optics, Amplifiers, Thin films 09358
Optics, Anisotropy, Finite element method, Numerical analysis 08023
Optics, Circuitry, Fabrication 04309
Optics, Coupling, Electromagnetics, Wave propagation 08066
Optics, Gas lasers, Pulse generation, Signal processing 05822
Optics, Ion beams, Etching, Lithium niobate, Niobium oxide 09119
Optics, Nonlinear systems, Field equations, Equations of motion 09114
Optics, Radiation, Matrices, Eigenvalues 04308
Optics, Zinc oxide, Thin films, Structural analysis 05698
Oscillators, Refractive indices, Gain, Dissipation, Semiconductor lasers 04031
Pattern recognition, Beam propagation, Lasers, Diffraction 00908
Phase shifts, Dielectrics, Impedance, Computer aided design 07490
Phase shifts, Diffraction gratings, Modes, Filters 01043
Phase shifts, Millimeter waves, Dielectric constants, Plasmas 07480
Piezoelectricity, Transducers, Electromagnetic waves, Distortion 02648
Radar, Reflection, Frequency, Measurement 09515
Radiative loss, Modeling 02651
Radiators, Polarization, Coupling, Antennae 08130
Reflection, Scattering, Rotating bodies, Electromagnetic fields 01664
Refractive indices, Attenuation, Dissipation, Light scattering 02647
Resonance, Amplifiers, Magnetic fields, Numerical analysis 08401
Resonance, Cross sectional measurement, Electrodynamics, Numerical analysis 06424
Resonance, Wave propagation, Nonlinear systems, Numerical analysis 09117
Rotating bodies, Electromagnetic waves, Cross sectional measurement 01060
Scattering, Circuitry, Impedance, Electromagnetics 08012

Waveguides, (continued)
Scattering, Dielectrics 0431
Scattering, Electromagnetic waves, Filters 0430
Scattering, Surface acoustic waves, Dielectrics, Discontinuities 0431
Semiconductor lasers, Detectors, Integrated circuits, Etching 0432
Semiconductors, Impedance, Frequency, Attenuation, Simulation 0431
Silicon, Etching, Diffraction gratings, Optics 0733
Silicon, Solar cells, Tin oxide, Fiber optics 0560
Striplines, Image processing, Microwaves, Production planning 0263
Theoretical analysis, Masers, Diocotrons, Stability 0735
Thin films, Couplers, Lithium niobate, Ion implantation, Dissertation 0432
Thin films, Dye lasers, Coupling, Amplifiers 0090
Transmission lines, Electromagnetics, Cells, Coupling, Dissertation 0908
Transmission lines, Junctions, Filters, Tuning 0748
Transmission lines, Tuning, Impedance 0909
Ultrasonics, Materials planning and control, Cladding, Elastic waves 0104
Wave propagation, Electromagnetic fields, Signal processing, Classification 0347
Wave propagation, Scattering, Numerical analysis, Finite element method 0802
Wave propagation, Scattering, Perturbation 0480

Wavelengths,
Current voltage, Nondestructive testing, Diffusion, Short circuits, Solar cells 0250
Data transmission, Semiconductor lasers, Fiber optics 0133
Dipole antennae, Radiation 0810
Dye lasers, Injection, Resonators, Pumping 0902
Electromagnetics, Integral equations, Surface properties 0801
Emitters, Visible range, Surface properties, Voltage, Solar cells 0080
Fiber optics, Characterization, Optical communications 0938
Fiber optics, Communications, Performance, Attenuation 0773
Fiber optics, Cuttoff, Wavelengths, Design, Cladding 0939
Fiber optics, Materials planning and control, Amplifiers, Detectors 0137
Fiber optics, Receivers, Design, Transmission 0939
Fiber optics, Reflection, Measurement 0774
Fiber optics, Transmission, Fabrication, Performance 093
Gallium arsenide, Deposition, Epitaxy, Semiconductor lasers 009
Heterojunctions, Carrier waves, Fabrication, Semiconductor lasers 0094
Horn antennae, Standards, Performance 016
Image processing, Displays, Scanning, Acoustics, Transducers 019
Insulators, Fiber optics, Cladding 019
Klystrons, Free electron lasers, Design, Power supply 025
Klystrons, Oscillators, Gain, Cherenkov radiation 0073
Lasers, Materials testing, Pulses, Research and development, Beams 0574
Microcomputers, Computer aided control, Data collection, Spectrofluorimeters 0193
Millimeter waves, Polarization, Materials testing 0189
Modulators, Fiber optics, Gyroscopes, Frequency, Signal processing 0774
Multiplexing, Optical communications, Fiber optics 0935
Multiplexing, Signal transmission, Fiber optics 0772
Optics, Pulse code modulation, Signal transmission, Channels, Reliability 0131
Photography, Garnet, Integrated circuits, Switching, Liquid crystals 0255
Photoreceptors, Stability, Light emitting diodes, Selenium 0730
Remote sensing, Electromagnetic waves, Microwaves, Oceanography 0227
Remote sensing, Radar, Scatterometers, Ocean circulation 0867
Semiconductor lasers, Pumping, Refractive indices, Emissions, (GaAl)As 0896
Semiconductor lasers, Thermal variables measurement, Refractive indices 0575
YAG lasers, Dye lasers, Pumping, Frequency 0741

Waves,
Acoustics, Entropy, Magnetohydrodynamics, Generators, Combustion 0496
Acoustics, Meteorology, Frequency, Wind, Signal processing 0685
Acoustics, Scattering, Underwater technology, Numerical analysis, Oceanography 0537
Circuitry, Simulation, Functions, Current voltage, Loading 0818
Computer programs, Feeders, Distribution, Recursion, Algorithms 0012
Computer programs, Sonobuoys, Oceanography, Validation, Modeling 0705
Diffraction, Geometry, Theorem proving, Series expansion, Numerical analysis 0640
Electrocardiograms, Noise, Numerical analysis 0700
Electromagnetics, Diffraction, Spheroids, Boundary value problems 0480
Electromagnetics, Finite element method, Electric fields, Software development 0679
Electromagnetics, Frequency, Simulation, Boundary value problems 0031
Electromagnetics, Partial differential equations, Diffraction 0803
Filters, Acoustics, Radios, Mobile systems, Telephones 0145
Filters, Maximum likelihood estimation, Modeling, Stochastic processes 0154
Filters, Partitioning, Communication networks, Matrices, Numerical analysis 0378
Filters, Scattering 0064
Local area networks, Fiber optics, Technology, Protocols 0292
Magnetic variables control, Fluid dynamics, Numerical analysis, Stability 0332
Modeling, Scattering, Tracking, Signal processing 0481
Optical communications, Image processing, Mixers, Materials testing 0732
Optics, Frequency, Lasers, Vibration, Measurement 0403
Pulses, Modulation, Signal to noise ratio, Frequency, Loops 0318
Radiation, Optoelectronics 0082
Radiation, Turbulence, Optics, Lenses 0480
Radio frequency, Interferometers, Recording systems 0162
Signal processing, Pulses, Modulation, Bipolar devices, Polynomials 0319
Spectral analysis, Couplers, Microstrips, Frequency, Numerical analysis 0325
Transmission lines, Loading, Electric variables control, Simulation 0582

Weapons,
Aircraft, Military engineering, Missiles, State of the art 0698
Control systems, Reliability, Logic, Multiprocessors, Research and development 0365
DIVAD, Optical systems, Design, Lasers, Military engineering 0081
Infrared, Detectors, Image processing, Pattern recognition 0698
Integrated circuits, Research and development, Military engineering 0208
Lasers, Space technology, Satellites, Missiles 0048
Lasers, Technological forecasting, Product development 0099
Military aircraft, Radar 0472
Military aircraft, Radar, Missiles, Guidance and control systems 0471
Military aircraft, Reliability, Circuitry, Computer aided control 0859
Military aircraft, Sensors, Missiles, Nuclear energy, Research and development 0528
Military aircraft, Sonar, Helicopters 0952

ons, (continued)
ary aircraft, Systems design, Antennae, Electronic equipment, Economics ... 05287
ary engineering, Economics. Lasers, Energy, Research and development ... 04039
ary engineering, Flight control systems, Missiles, Radar, Spacecraft ... 03636
ary engineering, Missiles, Control systems, Video systems, Testing ... 08626
ary engineering, Missiles, Guidance and control systems, Fiber optics ... 06986
ary engineering, Radar, Image processing ... 04723
ary engineering, Service life, Reliability, Guidance and control systems ... 00500
ary engineering, Space technology, Planning, USSR, United States ... 08612
ary engineering, Technology, ICBMs ... 06987
ary engineering, Technology, State of the art, NATO ... 08620
tary engineering, TOW, Design, Image processing ... 00502
tary equipment, Manufacturing, Electronic equipment ... 06982
ssiles, Controllers, Optimization, Simulation ... 08625
ssiles, Guidance and control systems, Noise, Acoustic variables measurement ... 08622
ssiles, Position control, Simulation, Monte Carlo method ... 06981
clear energy, Fuels, Electric power generation, Military engineering ... 08286
clear energy, Safety, Electromagnetic fields, Atmospheric conditions ... 00027
search and development, Laboratories, Detectors, Neutron diffraction ... 05155
stems design, Aircraft engineering, Technology, Integrated systems ... 03656
acking, Military engineering, Cartography, Terrain analysis, Data bases ... 02219
r,
medical engineering, Materials testing, Corrosion, Thermodynamics ... 08642
undary layers, Friction, Insulators, Coatings ... 02667
nnectors, Vibration, Voltage, Contact resistance, Plating ... 07233
pper, Silver, Vacuum technology, Rotating bodies ... 00374
ves, Pumps, Induction motors, Failure, Control systems ... 04869
ectrical resistivity, Electroplating, Palladium, Gold, Contacts ... 03885
ction, Gold, Palladium, Alloys, Contacts ... 07229
ction, Magnetic tapes, Temperature, Moisture measurement ... 04355
nsors, Machine tools, Optimal control, Dissertation ... 01071
ermal insulation, Maintenance, Inspection, Transmission lines ... 00091
ssels, Steelmaking, Inspection, Sensors, Lasers ... 00396
ghing,
tennae, Arrays, Optimization, Beamforming, Algorithms ... 00056
gnal processing, Frequency, Fourier transforms, Interpolation, Algorithms ... 01539
ght measurement,
rcraft, Sensors, Magnetic variables control, Calibration ... 03649
ventory control, Warehousing, Electric power apparatus ... 00242
ghting,
stributions, Codes, Vectors, Numerical analysis ... 06366
ectric power generation, Loading, Flow, Buses, Problem solving ... 00150
ters, Design, Recursion, Numerical analysis ... 08746
lbert spaces, Signal processing, Noise, Filters ... 05439
east squares estimation, Reliability, Error, Data processing ... 00142
icroprocessors, Filters, Construction, Error, Simulation ... 02356
usic, Automation, Quality control, Pulses, Sequences ... 09480
umerical analysis, Least squares estimation, Electric power generation ... 00141
ensors, Calibration, Computer aided control ... 01998
ignal processing, Amplitude, Modulation, Phase shift keying ... 07981
pacecraft, Packaging, Composite materials, Research and development ... 06071
lding,
rc welding, Controllers, Robots ... 02046
rc welding, Economics, Mechanical handling, Robots ... 03596
rc welding, Mechanical handling, Robots, Computer aided control ... 03609
rc welding, Optimal control, Sensors ... 00443
rc welding, Robots, Specifications, Assembling, Japan ... 05172
utomotive engineering, Artificial intelligence, Robots ... 08521
omputer aided control, Televisions, Guidance and control systems ... 00388
omputer numerical control, Assembling, Engines, Turbines ... 00984
rack propagation, Surface properties, Transducers, Ultrasonics ... 08474
ryogenics, Polymers, Steel, Book ... 07446
utting tools, Machining centers, Flexible manufacturing systems, Lasers ... 02597
eat treatment, Process development, Lasers ... 01010
nspection, Ultrasonics, Frequency, Measurement, Performance ... 06847
oints, Coil winding machines, Transducers, Pipes ... 01079
asers, Aluminum alloys, Aluminum, Absorption ... 01011
asers, Quality control, Seals, Manufacturing, Technology ... 04048
anipulators, Robots, Computer aided control, Displays, Mechanical handling ... 08547
echanical handling, Robots, Vision, Space shuttle ... 08601
ffshore structures, Pipes, Remote sensing, Underwater technology, Automation ... 00445
scillators, Induction motors, Levitation ... 00694
ipes, Furnaces, Manufacturing, Inspection, Transducers ... 05067
ipes, Radio frequency, Heat treatment ... 01896
esistance welding, Mechanical handling, Robots, Electric variables control ... 08568
obots, Artificial intelligence, Mechanical handling ... 03598
obots, Manufacturing, Mechanical handling, Research and development, Italy ... 02032
obots, Manufacturing, Numerical control, Machinery, Loading ... 06918
obots, Mechanical handling, Occupational health, Cutting ... 02045
obots, Mechanical handling, Programming, Research and development, Japan ... 02025
obots, Process development, Mechanical handling ... 02024
obots, Research and development, Design, Manufacturing ... 06921
obots, Sensors, Pattern recognition, Digitizing, Nondestructive testing ... 02020
obots, Technological forecasting, Industry, United Kingdom ... 03577
ransducers, Acoustics, Frequency, Holography, Deformation ... 03510
ltrasonics, Transmission lines ... 00335
lds,
oints, Nondestructive testing, Radiography ... 08842
d,
coustics, Meteorology, Signal transmission, Flow ... 05378
coustics, Meteorology, Waves, Frequency, Signal processing ... 06850
ircraft, Guidance and control systems, Turbulence, Noise, Dissertation ... 02075
oundary layers, Turbulence, Flux, Thermodynamics, Measurement ... 05376
lectric power generation, Frequency, Machinery, Control systems, Transducers ... 08352
eteorology, Atmospheric conditions, Boundary layers, Monitoring ... 03714
odeling, Solar energy, Mixing, Convection, Algorithms ... 01819

Wind, (continued)
Modeling, Velocity, Meteorology, Turbulence, Electric power generation ... 05379
Noise, Modeling, Meteorology, Acoustics, Measurement ... 06844
Remote sensing, Amplitude, Turbulence, Spectral analysis, Modeling ... 08001
Remote sensing, Instrumentation, Estimation, Meteorology ... 07060
Spacecraft, Flight control systems, Modeling, Simulation, Measurement ... 05262
Velocity, Radiometry, Microwaves, Oceanography ... 02277
Wind energy,
Cost benefit analysis, Electric power generation, Mathematical models ... 01863
Electric power generation, Generators, Turbines, Performance ... 08358
Electric power generation, Mathematical models, Statistical analysis ... 00230
Energy conversion, Induction motors, Turbines, Capacitors, Thyristors ... 01711
Solar energy, Performance, Simulation ... 06664
Turbines, Control systems, Drives ... 01704
Turbines, Diesel engines, Fuel efficiency, Energy conservation ... 00146
Turbines, Electric power generation, Production control, Management ... 08351
Velocity, Lasers, Anemometry ... 00986
Velocity, Statistical analysis, Electric power generation, Turbines ... 01839
Wind tunnels,
Acoustics, Rotors, Circulation, Control systems, Noise ... 05103
Aerodynamics, Velocity measurement, Lasers ... 07433
Aircraft engineering, Helicopters ... 05247
Heat transfer, Interferometry, Convection, Solar collectors, Dissertation ... 01813
Wind turbines,
Aerodynamics, Modeling ... 01708
Aerodynamics, Propellers, Performance, Velocity, Numerical analysis ... 04859
Electric power generation, Diesel engines, Generators, Performance ... 04893
Electric power generation, Electric power distribution, Performance ... 08365
Electric power generation, Velocity, Measurement, Machinery, Performance ... 04862
Generators, Blades, Noise, Thickness measurement, Testing ... 08592
Generators, Reliability, Modeling, Electric power generation, Energy ... 04891
Modeling, Rotors, Aerodynamics, Darrieus rotors ... 03268
Propellers, Design, Loading, Optimization ... 04861
Rotors, Surface properties, Blades, Flow, Boundary layers ... 04864
Simulation, Electric power generation, Control systems, Generators ... 06551
Stability, Electric variables control, Simulation ... 08230
Televisions, Electromagnetics, Generators, Signal transmission, Interference ... 06165
Wire,
Composite materials, Fiber optics, Transmission lines, Digital systems ... 07755
Electromagnetics, Scattering, Integral equations, Dissertation ... 06425
Fiber optics, Networks, Process control, Data transmission ... 01350
Insulators, Grounding, Lightning, Voltage ... 06707
Telecommunications, Polyethylene, Insulators, Copper, Stability ... 07244
Wire processing,
Bonding, Packaged components, Integrated circuits, Nondestructive testing ... 06062
Circuitry, Assembling, Technological forecasting, Materials testing ... 06076
Current density, Superconductivity, Solenoids, Composite materials ... 04196
Electric power apparatus, Cutting tools, Microprocessors, Automatic control ... 00709
Electric power distribution, Insulators, Polyimides, Coatings ... 03891
Insulators, Coatings, Current voltage, Electromagnetic waves ... 04823
Magnetic fields, Superconductors, Current density, Flux ... 04197
Materials testing, Microelectronics, Elasticity, Binding ... 05557
Modular design, Packaged components, Semiconductors, Integrated circuits ... 01280
Robots, Computer aided manufacturing, Automation, Testing ... 00434
Solenoids, Linear accelerators, Transmission lines, Cryogenics ... 04212
Space technology, Thermal insulation, Coatings, Mechanical strength ... 05548
Spectral analysis, Extrusion ... 03880
Stress, Thermal variables measurement, Moisture control, Materials testing ... 06054
Superconductors, Magnetic fields, Thermal variables measurement ... 04213
Thermal insulation, Automatic control, Electric power apparatus, Reliability ... 00719
Wood processing,
Nondestructive testing, Classification, Lasers, Cutting tools, Scanning ... 04045
Word processing,
Communications, Data transmission, Private automatic branch exchange, ITT5300 ... 04629
Data processing, Ships, Electronic mail, Communication networks ... 03012
Facsimile systems, Data transmission, State government, Illinois ... 07816
Local area networks, Data communications, Information processing, Workstations ... 03013
Management, Personnel, Measurement, Standards ... 02293
Office automation, Electronic mail, Management information systems ... 03759
Office automation, Personal computers, Workstations, Management, Training ... 04662
Office automation, Teletex, Japan ... 09433
Office automation, Workstations, Speech transmission ... 03051
Teletex, Data transmission, Office automation, Technological forecasting ... 06245
Typesetting, Data processing, Systems design ... 02543
Word processors,
Communication networks, Office automation, Plug compatibility, Standards ... 06193
Microcomputers, Facsimile systems, Teletex ... 09435
Office automation, Buying and selling ... 02314
Portability, Hand held word processors, Microwriter ... 05390
Power supply, Protection, Point of sale terminals, Portability, Systems design ... 03753
Work holders,
Arc welding, Computer aided control, Position control, Sensors ... 00446
Robots, Mechanical handling, Computer aided control ... 00426
Sensors, Tubes, Robots, Precision engineering, Force ... 00423
Work study,
Psychology, Input output devices, Man machine interactions, Ergonomics ... 03680
Workstations,
Architecture, Networks, Distributed processing ... 03760
Cathode ray tubes, Displays, Performance, Technology ... 08861
Communication networks, Transmission lines, Access, Terminals, Allocation ... 08715
Data communications, Electronic mail, Local area networks, Ethernet ... 03737
Data communications, Local area networks, UniLAN ... 07836
Data processing, Telecommunications, Convergence, Standards ... 06092
Local area networks, Data communications, Information processing ... 03013
Local area networks, File management, Reliability, Failure, Dissertation ... 05391
Systems design, Office automation, Speech transmission ... 03051

Workstations, (continued)
- Telecommunications, Personal computers, Word processing, Management, Training 04662
- Teleconferencing, Video systems, Microprocessors, Simulation, Computer graphics 04561
- Telephones, Terminals, Personal computers, Research and development 02311

X-Rays,
- Amplification, Plasmas, Recombination, Numerical analysis 08057
- Computer aided control, Scanning, Tensile strength 01885
- Diffraction, Crystal structure, Crystal growth, Electrooptics 02542
- Diffraction, Spectral analysis, Superconductors, Superlattices, Sputtering 07445
- Diffraction, Transition metals, Electrical conductivity, Oxidation 06880
- Electrodes, Batteries, Energy storage components, Current voltage 03328
- Electrons, Lasers, Bragg reflection, Resonators 05734
- Emissions, Gain, Electron beams, Lasers 00928
- Emissions, Gas lasers, Plasmas, Thermal variables measurement 07441
- Emissions, Lasers, Irradiation, Metals, Foils 05745
- Emissions, Lasers, Plasmas, Spectral analysis 07346
- Filters, Terylene, Films, Astronomy 06744
- Fluorescence, Excitation, Protons, Diffraction, Spectrometers 05061
- Flux, Gallium arsenide, Field effect transistors, Microwaves 03456
- Image processing, Biomedical engineering, Signal to noise ratio, Filtering 06994
- Image processing, Displays, Color, Cameras 03453
- Image processing, Inspection, Computed tomography, Industry, Materials testing 03999
- Image processing, Televisions 06743
- Lasers, Nuclear spectroscopy 08973
- Lithography, Microelectronics, Masks, Alignment 08411
- Lithography, Radiation, Resonance, Spectral analysis 05062
- Lithography, Resists, Copper, Microelectronics 02545
- Masks, Lithography, Radiation, Distortion, Thermal variables measurement 00829
- Medical electronics, Image processing, Cardiovascular system 05313
- Medical electronics, Image processing, Quality control 05299
- Metals, Ceramics, Electrodes, Rotation, Rotalix 06742
- Microscopy, Image processing, Diffraction, Fresnel zone plates 08952
- Nickel, Alloys, Iron, Electrodeposition, Electrochemical reactions 03332
- Nondestructive testing, Image processing, Statistical analysis 06741
- Photodevices, Design, Zone plates 05053
- Radiation, Radioactive emissions, Microwaves, Monitoring 05059
- Scattering, Polarization, Spectral analysis, Cross sectional measurement 08706
- Spectroscopy, Electromagnetic waves, Metrology, Wave propagation 00282
- Spectroscopy, Fluorescence, Molding, Semiconductors 01115
- Standards, Measurement errors, Computed tomography 05706
- Televisions, Interfaces, Performance, Standards 07780
- Tomography, Diffraction, Electromagnetic waves, Seismology 03701
- Ultraviolet, Gas lasers, Ionization, Electron density 09027
- Video systems, Nondestructive testing, Production control, Assembling 08943
- X-ray diffraction, Copper sulfide, Sputtering, Film growth, Solar cells 05652
- X-ray diffraction, Crystal structure, Lattice constants, Space groups 08410
- X-ray diffraction, Metering, Voltage, Pulse generation, Photodiodes 08862

Xenon,
- Annealing, Ion implantation, Silicon, Solar cells 00778

Xenon chloride,
- Gas lasers, Discharges, Pumping, Electron beams, Control systems 08976
- Gas lasers, Isotopes, Separators 07397
- Gas lasers, Ultraviolet, Discharges, Gain, Voltage 00949

Xerographics,
- Image processing, Dielectric constants, Bonding, Photoreceptors 01105

Xerography,
- Electrooptics, Charge carriers, Interfaces, Photoconductivity 02537

YAG lasers,
- Dye lasers, Pumping, Frequency, Wavelengths 07412
- Neodymium, Design, Resonators, Emissions 09021
- Neodymium, Injection, Tuning, Stability 07378
- Neodymium, Lidar, Reflection, Wavelengths 01006
- Neodymium, Reflectors, Prisms, Optics 07419
- Switching, Electrodes, Dissertation 00925

Ytterbium oxide,
- Insulators, Cadmium sulfide, Thin films, Transistors 05958

Yttrium aluminum garnet,
- Cathode ray tubes, Displays, Luminescence, Resolution 00736

Yttrium compounds,
- Thin films, Waveguides, Optics, Amplifiers 09358

Yttrium iron garnet,
- Doping, Lasers, Irradiation, Current voltage, Thermistor-bolometers 05809

Zinc,
- Alloys, Dielectrics, Corrosion resistance, Thermal variables control 04361
- Batteries, Boron, Fuel efficiency, Energy storage components 01795
- Doping, Gallium arsenide, JFET, Field effect transistors, Pn junctions 05976
- Electrodes, Cells, Discharges, Energy storage components 08303
- Strain, Oscillation, Acoustics 00340

Zinc oxide,
- Silicon, Excitation, Pressure, Measurement 08386
- Single crystals, Electrical conductivity, Gases, Sensors 03545
- Thin films, Surface acoustic waves, Transducers, Optics, Waveguides 05698
- Varistors, Grain boundaries, Sintering, Capacitance 07245

Zinc selenide,
- Heterojunctions, Thin films, Photoconductivity, Photosensors 00766
- Luminescence, Excitation, Thin films, ZnSe:Mn 05673
- Metal oxide semiconductors, Single crystals, Current voltage, Hysteresis 04433

Zinc sulfide,
- Dielectrics, Displays, Electroluminescence, Thin films 03
- Electroluminescence, Memory, Erasing, Voltage 00
- Films, Doping, Manganese, Chemical vapor deposition, Electroluminescence 00
- Thickness measurement, Electroluminescence, Voltage 00
- Thin films, Displays, Electroluminescence, Structural analysis 05
- Thin films, Electroluminescence, Excitation, Charge 05

Zirconium,
- Alloys, Nickel, Surface structure, Scanning electron microscopy 03
- Cathodes, Plasmotrons, Erosion, Thermionic emissions 07

Zirconium oxide,
- Coatings, Cost benefit analysis, Robots, Thermal insulation, Turbofan engines 00

Author Index

adland, O.S. 06848
agaard, P. 03066
am, S. 01749
as, E.J. 07620
asted, J. 08690
bashev, Yu.G. 08428
bbey, D. 01811
bbott, D.H. 02510
05616
bbott, G.F. 09530
bbott, T.S. 00472
bbott, W.H. 07238
bd El-Halim, A.M. 00183
bd El-Rehim, S.S. 00183
bdalla, M.I. 08896
bdalla, O.H. 06605
bdel-Kader, F.E. 08352
bdel-Karim, A.S. 03297
bdel-Magid, Y.L. 05023
bdel-Rahman, M.H. 00155
bdel-Razek, A.A. 01714
bdel-Salam, M. 01772
bdel-Sattar, S. 01772
bdelrazik, M. 03220
bdon Garcia-Vazquez, J. 08763
bdul-Karim, M.A.H. 00687
07218
07917
bdulla, S.A. 02135
bdullaev, G.B. 06884
bdulsatar, A.M. 03161
be, F. 09039
be, H. 00713
04085
be, K. 03072
be, M. 02953
be, S. 01738
06618
be, Y. 02635
bebe, M. 09361
bed, E.H. 08366
bele, E. 00414
beles, M. 05327
bidi, A.A. 03862
blin, A.N. 03839
bo El-Naga, N.M. 01503
bou Elela, A.A. 06703
bou Hussien, M.S. 06703
bou-Zeid, M.R. 03364
boulnasr, T.T. 03776
boytes, F. 01744
brahams, D.J. 05141
bramov, A.A. 07541
bramov, G.P. 01846
bramov, V.Ya. 09016
bramovich, A.A. 09141
bramovici, M. 05503
06056
bramowitz, W. 02315
brokwah, J.K. 05968
bubakirov, E.B. 06429
buelma'atti, M.T. 01138
02433
07192
campora, A.S. 07950
08727
car, C. 03787
charya, Y.B. 03490
04594
chenbach, J.D. 01624
chterberg, A. 00585
cker, W.C. 09517
ckerman, J.P. 08317
ckermann, J. 02035
cket, G.A. 00952
ckley, D.E. 04001
dachi, M. 01924
dachi, N. 05226
dachi, S. 06645
dalian, A. 03394
dam, E. 04191
04278
dam, J.A. 04981
05280
damiak, M.G. 00093
damo, R.C. 02108
dams, A.T. 04307
06422
dams, B.B. 03107
07058
Adams, C. 03046
05469
Adams, D.L. 08857
Adams, E.L. 00292
Adams, G. 04921
Adams, J.J. 00457
Adams, J.M. 07325
Adams, J.W. 07117
Adams, K.M. 02394
03814
Adams, M.J. 03711
07389
Adams, P.F. 02110
Adams, R.K. 01876
Adamski, J.L. 00926
Adamski, R.S. 09312
Adaway, W.G.L. 07662
Adde, R. 00059
04075
04076
05534
Addeo, A. 00218
Ade, P.A.R. 08924
Adelseck, B. 03247
Adelson, E.H. 03180
Adhav, R.S. 00906
Adhem, S.M.I. 07218
Adkar, S.P. 00294
Adler, E.L. 09196
Adler, H.P. 01674
Adler, M.S. 07568
07593
Adler, S. 09211
Adlerstein, M.G. 05909
Adolfson, W.F. 00424
Aebi, V. 04494
Aeby, I. 05163
05584
Aegerter, M.A. 00323
Afendykiw, M. 08816
Afghahi, M. 01040
04904
Afshari, P.V. 05396
Agafonnikov, V.F. 01124
Agafonov, V.A. 04343
Agakhanyan, T.M. 05522
Agarwala, R.A. 07886
Agatsuma, K. 04201
Aggarwal, A.K. 01002
Aggarwal, I.D. 07734
Aggarwal, K.K. 04582
05238
Aggarwal, R. 04540
Agibalov, G.P. 01252
Agnello, M. 03931
Agnihotri, R.C. 01816
Agranonik, R.Ya. 08495
Agranovich, V.M. 03223
Agrawal, B.L. 04901
Agrawal, B.P. 09463
Agrawal, G.P. 07350
09005
Agrawal, H.P. 08848
Agrawal, S. 08848
Agrawal, V.D. 06047
Agrawal, V.K. 04540
Aguilar, J.L.C. 00519
Agusti, R. 06252
Ahluwalia, R.K. 00158
00160
Ahmad, M. 08162
Ahmad, S. 09342
Ahmadi, H. 06195
Ahmadi, M. 00643
02368
Ahmed-Zaid, S. 04866
06535
Ahmed, H. 00832
00946
00980
02751
05899
Ahmed, K.M. 01661
Ahmed, M.J. 01053
Ahmed, M.T. 02357
07103
07147
Ahmed, N. 01544
Ahmed, N.U. 03404
04867
Ahmed, S.N. 01383
Ahmed, S.S. 05901
05902
Ahn, K.Y. 02312
Ahn, S. 08860
Ahn, S.M. 02350
Ahsan, Q. 08241
Ahuja, B.K. 02397
03846
Ahuja, S.R. 04633
Ai, K.-C. 08916
Aida, T. 06368
07250
Aidarous, S.E. 01571
07681
Aiello, P.J. 02490
Aihara, K.-I. 01443
Aihara, Y. 01748
Aina, O.A. 05938
Ainbund, M.R. 05167
Aindow, J.D. 01993
Ainslie, B.J. 07732
Ainsworth, M.E. 05296
Airth-Kindree, W.A. 02530
Aishima, A. 09176
Aitchison, I. 06878
Aitchison, T.M. 05554
Aiya, S.V.C. 01284
Aizawa, M. 05851
Aizawa, T. 06003
Ajayi, N.O. 00528
Ajioka, J.S. 08130
Akabane, K. 01648
Akachi, T. 04272
Akagi, F. 00426
Akahira, N. 01511
Akama, J. 00626
Akamatsu, T. 04550
Akashi, T. 04452
Akatsuka, Y. 04478
Akavia, G.Y. 06119
Akbar, M. 06586
Akcasu, O.E. 07630
Akechi, K. 06368
Akens, L.G. 09097
Akers, L.A. 01239
01266
02755
07634
Akhmanaev, V.B. 03246
Akhmanov, S.A. 06715
Akhmetshin, A.M. 07537
Akhsakhalyan, G.A. 05115
Aki, F. 00718
Akiba, S. 05755
Akimaru, H. 06352
Akimov, P.I. 03211
Akin, D.L. 05207
05208
05209
Akins, R.P. 00894
Akita, S. 04265
04287
Akiyama, I. 04495
Akiyama, N. 04501
Akmese, A. 04609
Akopyan, V.S. 00998
Akram, M.F. 06259
Al-Bundak, O.M. 08127
Al-Charchafchi, S.H. 01933
Al-Dabbagh, M.H. 07495
Al-Fakhri, K.A.K. 03914
Al-Hissoni, M.H.S. 02148
Al-Khatib, H.S. 03747
Al-Madani, K. 00201
Al-Meshadani, N.A.F. 03914
Al-Mohammad, H. 08565
Al-Mouhamed, M. 08565
Al-Rawi, A.M. 03914
Al-Ruwais, A.S. 03251
Al-Tamimi, A.I. 00211
Al-Wakeel, S.S. 04644
Alabedra, R. 01142
Alam, M.N. 02135
Alanen, E. 08026
Alavi, K. 02727
03925
Albella, J.M. 04359
Albers, J. 02747
Albertengo, G. 02307
Albertinsky, B.I. 03259
Alberto, V.S. 04975
Albertos, P. 02337
Albrecht, H. 00771
Albuquerque, J.P.A. 07940
07991
Alcock, A.J. 00949
Alcorn, J.S. 04152
Alden, R.T.H. 06521
Aldrovandi, G. 00107
Aleev, P.A. 01911
Aleksandrov, A.A. 02721
Aleksandrov, A.P. 01810
Aleksandrov, L.N. 01004
Aleksandrov, Yu.M. 02545
Alekseev, A.G. 05831
Alekseev, B.V. 00266
Alekseev, V.A. 09320
Alekseev, V.F. 05541
Aleksevich, Ya.N. 00689
Alessandrini, P. 02505
Alexander, C.K. 08734
Alexander, E.M. 07905
Alexander, G. 08341
Alexander, J.H. 05578
Alexander, S.T. 02583
09529
Alexandrovitz, A. 08193
Alexapoulos, N.G. 00057
Alfano, R.R. 04016
Alferness, R.C. 08912
Alfonsetti, S. 06105
Ali Tan, M. 03787
Ali, A.A. 08762
Ali, A.W. 07356
07435
Ali, H.B. 01965
Ali, K.F. 06760
Alia, G. 07648
Aliaga-Zegarra, A. 08146
Aliaga, R. 04040
Alidzhanov, M.A. 06884
Alijev, T.M. 06343
Alikhanov, S.G. 04299
Aliphas, A. 00639
Allam, M.M. 02218
Allan, P. 01728
Allan, P.M. 00279
Allan, R.N. 03407
06615
Allan, T.D. 00536
07063
Allan, W. 00582
07071
Allardyce, L.B. 06157
Allebach, J.P. 06324
Allen, B.W. 09342
Allen, D.A. 00576
Allen, D.L. 05030
Allen, D.M. 00416
Allen, D.R. 06276
Allen, D.W. 01874
Allen, E.W. 09575
Allen, H.V. 06199
Allen, K.R. 01607
Allermann, K.-W. 03067
Alley, G.D. 02729
Alley, W.E. 05735
Allidina, A.Y. 05217
Allinger, J. 04135
Allman, C.E. 03552
Allos, J.E. 01545
06865
07917
Allred, J.K. 02041
Allstot, D.J. 05570
Allyn, C.L. 01219
Alogan, R. 07549
Alping, A. 00989
Alsac, O. 00140
Alscher, H. 00618
Alston, W.E. 00910
Altemark, U.M.F. 02124
Altenbach, R.E. 02090
Alvarado, F.L. 01783
01871
Alves, R.V. 03414
06714
Alvic, D.R. 01868
Alwine, D.O. 01400
Aly Kamel, A. 08616
Alyushin, M.V. 07652
Alzinger, E. 03584
Amada, E. 06037
Amano, K. 09415
Amano, S. 01080
Amatuni, L.E. 04171
Amatuni, Ts.A. 05081
Amayenc, P. 03716
Amberiadis, K. 03895
Ambler, J.S. 03020
Ambrose, W. 07083
Amemiya, K. 00297
03474
Amemiya, T. 06580
09167
Amemiya, Y. 04385
Amende, W. 00993

Amer, H.H. 06558
Amey, D.I. 02805
Aminev, A.M. 07092
Amitay, N. 06479
09311
Ammmon, G.J. 01495
Amoroso, F. 02454
Amstutz, S.R. 04647
Anaf, L. 08877
Anagnostopoulos, C.N. 00774
08905
Analouei, A.R. 08764
Anami, K. 04480
Anan'in, P.S. 07460
08511
Anand, K.V. 05940
Anand, R.K. 03150
Anastassiou, D. 06159
Anceau, F. 07620
Anderl, R.A. 00378
00745
Andersen, D. 04629
Andersen, T.S. 01704
Anderson, A.C. 04056
04059
04744
Anderson, B.D.O. 00676
02415
Anderson, C.J. 04176
Anderson, C.L. 01161
Anderson, D. 06471
Anderson, D.J. 00526
Anderson, D.V. 01807
Anderson, G.M. 06117
Anderson, H. 05429
Anderson, H.R. 04541
Anderson, H.U. 06880
Anderson, J.B. 07961
09597
Anderson, J.D. 05265
Anderson, J.E. 02177
Anderson, J.M. 03445
03450
Anderson, L.A. 06664
Anderson, M. 00589
Anderson, M.D. 00085
Anderson, M.R. 03436
Anderson, N. 00005
08453
Anderson, P.M. 00152
01710
01858
04886
Anderson, R.E. 05997
Anderson, R.H. 07318
07319
Anderson, R.J. 02776
05532
07578
Anderson, R.V. 06251
Anderson, S.M. 05382
Anderson, T.L. 07000
09084
Anderson, V.C. 07880
Anderson, V.M. 01923
Anderson, W.A. 00787
07272
Anderson, W.T. 09392
Andersson, H.E.B. 01832
Andersson, S. 03390
Andersson, T. 03390
Anderton, C. 07855
09475
Anderton, P.J. 05343
Ando, H. 05603
Ando, S. 02050
Ando, T. 03491
04232
04264
04269
Ando, Y. 03427
Andrade, A.M. 08883
Andrade, V.H.G. 06707
Andre, M.H. 00500
Andre, P. 03612
Andreas, P. 02346
Andreev, L.V. 01450
Andreev, V.M. 05649
Andreozzi, F. 04167
Andresen, E.C. 08158
Andress, S.J. 05867
Andrews, J.A. 02819
Andrews, J.M. 00814
Andrews, L.C. 01552
07890
Andrews, M.K. 07072
Andrianov, V.V. 04148
04274
Andrienko, V.B. 05061
Andrieu, H. 03722
Andrisano, O. 07690
09528
Androsov, V.P. 04326
Andrus, J. 07667
Anev, G. 03834
Angelakos, D.J. 03479
Angelos, S. 02862
Angelov, I.M. 02443
Angier, R.C. 05278
Angus, I. 03045
Angyal, S. 06302
Anishchenko, V.S. 06427
Anisovich, K.V. 05061
Anjaneyulu, P.B. 06568
Anker, M.U. 01747
Ankiewicz, A. 01354
07765
Annegarn, J.J.C. 02957
Ansari, H. 07329
Ansari, R. 03803
Anson, P. 02093
Antal, M.J.,Jr. 05003
Antar, Y.M.M. 01633
Antell, R.E. 02217
Anthony, T.C. 06662
Antipin, V.E. 03521
Antipov, I. 01158
Antipov, Yu.A. 05081
Antler, M. 07231
Anton, D. 02214
Antoniadis, D.A. 01188
01202
09217
Antonides, H. 00147
Antoniou, A. 00683
03807
08751
Antonov, A.V. 05832
Antonov, I.I. 00597
Antonov, V.F. 09153
Antonov, V.I. 07086
Antonov, V.V. 05897
Antonova, N.P. 03305
Antonucci, R.R.J. 07067
Antov, B. 02740
Antreich, K.J. 07635
Antson, J. 00817
Anuta, P.E. 05360
Anzick, W.J. 07079
Aoki, K. 04315
06611
06692
Aoki, N. 04283
Aoki, Y. 01193
01789
Aono, Y. 03003
Aoyagi, H. 04939
Aoyagi, M. 01250
04105
Aoyama, F. 00111
Aoyama, K. 07763
Aoyama, M. 02937
05862
08870
Aoyama, T. 07812
Apakhov, M.I. 02661
Aparisi, R.R. 00219
Apkarian, J. 08572
Aplevich, J.D. 01872
Apostol, D. 00945
Apostol, I. 00945
Apostolico, A. 07966
Appa Rao, C. 06437
Appel, U. 07912
Appelbaum, J. 00802
Appleton, A.D. 04291
Apresyan, L. 06417
April, G.-E. 04885
Aprille, T.J. 03158
Aracil, J. 07149
Arahata, Y. 01774
Arai, E. 07099
Arai, F. 05567
Arai, H. 02005
02529
Arai, K. 01548
02083
02975
06181
Arai, M. 05126
05976
Arai, M.R. 09061
Arai, N. 03351
Arai, S. 07373
Arakawa, C. 05020
Arakawa, H. 05937
Araki, K. 04573
05499
08076
Araki, Y. 02959
Arat, V. 01078
Araujo, G.L. 07285
Arbel, A. 05161
Arbit, I.I. 05814
Arce, G.R. 06363
Arcese, A. 02376
Archer, R.D. 04861
Ardalan, S.H. 06858
Ardemagni, F. 09495
Arden, W. 02540
Ardo, P. 01454
Arenas, M. 08954
Arendt, J. 05300
Argyle, J.F. 06085
Ariathurai, K. 02786
Ariel, Y. 02149
Arieli, R. 07725
Arienti, V.L. 06615
Arii, K. 08215
Arikan, E. 09317
Ariman, T. 03783
Arimura, I. 01155
Arimura, Y. 02047
Arkadan, A.A. 08141
Arkun, Y. 05194
Arlt, G. 02752
Armendariz, M.G. 03456
Armenise, M.N. 01052
02645
05695
Armington, A.F. 05527
Armitage, C.B. 01357
Armor, A.F. 00070
Armoto, A. 00964
Armstrong, G.A. 05929
Armstrong, J.R. 04458
Arnaud, T. 09256
Arndt, F. 03798
07490
Arndt, R.A. 05609
Arndt, S.A. 05162
Arnett, P.C. 04161
04270
Arnett, T.L. 08719
Arnold, D. 05983
07609
Arnold, D.J. 08855
Arnold, H.W. 01637
03192
06120
Arnold, J. 01245
05077
Arnold, J.R. 00304
Arnold, R. 00856
Arnold, S.M. 05778
Arnold, T.H. 05050
Aronoff, S. 02169
Aronson, M.H. 06182
Aronstein, J. 07235
Arora, B.M. 07286
Arora, C.L. 08056
Arora, N.D. 07259
Arora, N.K. 07266
Arrillaga, J. 01037
01779
03308
Arriola, F.J. 05854
Arroyo, G. 01744
Arsenault, H.H. 00654
00881
Arthur, J.S. 03124
Arthurs, A.M. 00005
08453
Arthurs, E. 04641
07924
Arutyunov, P.A. 04761
Arutyunova, L.I. 05844
Arvind, D.K. 03997
Arya, R.R. 00793
05634
Arzbaecher, R. 05307
Asada, M. 00943
08964
Asahara, S. 01243
Asahi, K. 00133
Asai, K. 01198
02769
04399
Asai, S. 0126
0450
0921
0927
Asakawa, K. 0430
Asakura, T. 0937
0939
Asano, A. 0406
Asano, K. 0204
Asano, S. 0943
Asano, T. 0041
Asao, M. 0457
Asatani, K. 0136
Asawa, C.K. 0137
0936
Asbeck, P.M. 0553
Aschkenasy, E. 0308
Ascone, L.V. 0427
Asenov, A. 0274
Ash, M.C. 0438
Ashall, J. 0771
Ashburn, P. 0117
0756
Ashford, E. 0617
Ashirov, A. 0688
Ashkenazy, J. 0649
Ashkin, M. 0427
Ashley, J.C. 0037
Ashley, J.R. 0307
Ashley, T. 0840
Ashok, S. 0591
Ashrapov, T.B. 0832
Ashtiani, C.N. 0654
0817
0817
Ashworth, M.J. 0201
Askew, R.E. 0385
Askne, J.I.H. 0163
Aslamazyan, A.S. 0386
Aslford, J. 0766
Asmuth, J.C. 0959
Asner, A. 0418
Aspinali, W.P. 0055
Assavavimol, P. 0240
Ast, D.G. 0833
Astakhov, V.V. 0642
Astanin, V.V. 0108
Astaras, T. 0703
Asti, G. 0267
Astolfi, D.K. 0920
Aston, G. 0211
Astrain, S. 0298
Asundi, A. 0088
Atack, R.M. 0451
Atanassov, R.D. 0790
Atanassova, E. 0440
Athans, M. 0495
Atherton, D.L. 0031
Atia, A.L. 0324
Atkins, K. 0601
Atkinson, J.F. 0181
Atkinson, W.H. 0341
Atlas, R. 0867
0867
Atlung, S. 0830
Atoda, N. 0031
Attaie, N. 0717
Atzinger, A. 0213
Au, B.C. 0032
Aubrey, D.G. 0227
0865
Auch, W. 0774
Aucouturier, J. 0343
Auda, H. 0912
Audenaerde, K. 0645
Audinos, R. 0036
Audone, B. 0542
Audzionis, A. 0110
Augood, D.R. 0175
Augspurger, U. 0926
Auinger, H. 0008
Aurian-Blajeni, B. 0499
Auslender, V.L. 0245
Austin, L.D. 0526
Austin, T.C. 0948
Austin, W.W. 0223
Austman, G. 0334
Auweter-Kurtz, M. 0907
Avaev, V.N. 0886
Averchenkov, O.E. 0028
0871
Averin, S.A. 0037
Averkiev, M.V. 0837
Avery, W.H. 0022
Avrorin, A.V. 0646
Awad, E.A. 0351

ane, K. 07288
ano, Y. 07589
elrod, A. 04833
asii, Y. 05524
05964
08806
ensu, A. 03357
ers, A.D. 04975
oub, A.K. 00080
yash, S. 00201
za, J. 06604
arbar, B. 04317
arenkov, N.A. 08060
arova, N.A. 06898
kov, B.S. 01945
mi-Sadjadi, M.R. 03795
ukizawa, T. 01695
uma, S. 06143
uma, T. 03766
zouz, A. 07184
08772

ba, F. 04484
banin, V.F. 06789
bbitt, R.W. 07485
bcock, W.E. 02952
bic, D. 04445
bikova, Yu.F. 06747
bin, S.V. 06049
bu, B.N.S. 03182
bu, S. 03844
ccarani, G. 01234
09231
cci, P. 05378
ch, P. 00288
ch, R.E.,Jr. 06947
chegov, V.N. 00691
chenkov, V.V. 08439
08440
08864
chmann, K.J. 00780
choc, A. 04717
chus, E.J. 09349
cker, D.C. 04710
acon, D. 00212
acon, D.D. 04203
acon, D.R. 03518
acon, L.D. 01561
acvarov, D.C. 08164
adawy, W. 00216
adcock, C. 02099
adcock, C.C. 06973
adr, M.A. 06558
aer, L. 02270
aer, R.H. 02938
aer, R.N. 07054
aeschlin, W. 04528
04530
aev, V.P. 04160
04274
agai, R.K. 01908
agautdinov, F.F. 07093
agchi, A.K. 06078
agchi, C.N. 00192
agg, T. 05685
aggett, N. 04156
aglee, D. 04440
agratishvili, G.D. 02780
agwell, J. 09417
agwell, J.W. 07804
ahar, E. 00016
00317
01603
08654
ahder, G. 00101
ahill, A.T. 05335
ahl, I.J. 06420
ahn, G.S. 08649
ahns, J.T. 06740
aier, A. 07133
ailey, G.J. 07072
ailey, G.R.,Jr. 04907
ailey, J.C. 04975
ailey, M.C. 08097
ailey, M.D. 04572
ailey, M.W. 00135
ailey, P.G. 03345
aird, J.D. 03493
03519
aird, J.F. 01779
aird, J.M. 07194
aishya, B. 05958
aity, F.W. 06634
ajwa, J.S. 05238
05511

Bakanov, V.I. 05843
Baker, C.R. 07923
Baker, D.J. 07685
Baker, J.R. 03693
Baker, P.D.W. 07719
Bakhtiarov, G.D. 00703
Bakhtin, V.P. 04299
Bakirtzis, A.G. 06616
08346
Bakken, P.M. 07789
Bakker, S. 04441
Bakos, G. 04618
Bakowsky, L. 05791
Baksheev, V.G. 07498
Balabrahmanandam, M. 07583
Balakrishnan, N. 02827
Balakrishnan, T.R. 01029
Balanis, C.A. 04707
08106
Balas, M.J. 05228
Balasubramanian, C. 08854
Balasubramanian, K. 06775
Balasubramonian, K. 02969
08937
Balbo, G. 05386
Balchin, M.J. 06762
Baldecchi, M.G. 08434
Baldwin, D.E. 06637
Baldwin, M.S. 01702
Baliga, B.J. 02733
02749
02778
07568
09197
09211
Balizer, E. 02781
Ball, C.J. 01893
Balla, P.C. 00683
Ballard, W.P. 03564
Ballato, A. 06721
08483
Ballik, E.A. 00291
Ballisti, R. 06798
Balmain, K.G. 01103
03205
06407
06433
Balonek, T.J. 00581
Balossino, N. 05309
Balsamo, E.P. 04198
Baltes, H.P. 03499
05922
06836
Baltog, A. 08863
Balzano, Q. 06485
Bamberger, J.A. 04134
Banakar, M.H. 06601
06602
08229
Bancroft, C.D. 00474
Bancroft, L.C. 05864
Bandler, J.W. 03830
08780
Bandopadhaya, R.N. 03261
Bandy, S. 04494
Bandyopadhyay, J. 08664
Banerjee, A. 00374
Banerjee, A.K. 03644
Banerjee, J.P. 04379
05895
Banerjee, M.B. 00205
Banerjee, P. 03150
Banerjee, S. 07583
Banerjee, S.K. 04594
Bank, R.E. 04363
04364
Banks, P.M. 07040
Banks, W.W. 00191
Banner, M.L. 03707
Bannister, J.J. 07349
Bannister, P.R. 01613
08052
Bansal, N.K. 03362
Bansal, R. 08093
Bansal, S. 06901
Banu, M. 05455
Baptista, J.L. 07245
Bar-Chaim, N. 08909
09220
Bar-David, I. 07915
09557
Bar-Itzhack, I.Y. 00385
Bar-Ness, Y. 04789
06333
09561
Bar-Shalom, Y. 00463

Bar-Shalom, Y. 01595
Barabash, L.I. 09544
Barabash, P.R. 07505
Baran, W. 07516
Barancik, J.I. 00221
Baranov, O.B. 06883
Baranov, V.M. 03305
05110
Baranov, V.Yu. 07394
07397
Baranowski, J.F. 08221
Baranyi, A. 07190
Barba, J. 06354
Barba, M.D. 05424
Barbeau, L.C. 09476
Barbee, T.W.,Jr. 05062
Barber, H.B. 05302
Barber, R.W. 00521
Barber, S. 09324
Barberis, G. 07954
Barberis, N.J. 00475
Barbero, V. 06826
Barbulescu, D. 00945
Bard, A.J. 00182
Bard, J.F. 03692
Bardsley, J.N. 01891
Barger, W.R. 02002
Bargh, J.K. 07161
Barkakati, N. 06412
Barkan, B.Z. 06298
Barkas, S.K. 06934
Barke, E. 07646
Barker, J.L. 02192
08658
Barker, L.K. 02022
05201
Barker, R.C. 09232
Barkley, H.J. 07363
Barkow, W.H. 02484
Barlow, A. 00130
Barlow, A.J. 09376
Barnes, C.W. 02375
05434
08759
Barnes, J.J. 04479
Barnes, P.R. 08351
Barnes, R.M. 01524
Barnes, W.J. 05087
05093
Barnett, A.M. 05642
08337
Barnett, L.R. 07194
Barnett, M.E. 07038
Barnhart, S.G. 09075
Barnwell, T.P. 01585
Baron, F. 00172
Baron, G. 08679
Barone, A. 04167
05799
Barr, D.A. 06229
Barr, J.R.M. 00920
Barranger, J.P. 00861
Barraud, A. 00830
Barrett, E.C. 08690
Barrett, H.H. 05300
05302
Barrett, J.W. 00578
Barrick, D.E. 01603
Barron, M.H. 04282
Barros, J.C. 00609
Barrow, J.D. 03443
Barry, J.D. 09331
Barry, S.H. 08861
Barsi, F. 07648
Barsis, A.P. 01639
Bartel, J.J. 01833
Barth, P.J. 01421
05441
Barthelemy, A. 01346
Bartholomae, R. 00588
Bartimo, J. 07089
07094
Bartle, D.C. 04831
Bartlett, M.C. 03122
Bartlett, P.G. 03607
Bartlett, R.J. 04103
Bartolini, L. 00982
Barton, M.L. 06806
Barton, T.H. 00075
06599
06600
Bartonicek, B. 03916
Bartur, M. 05562
Baryshnikova, I.G. 08577
Barzegar, F. 03403
Barzilai, Z. 05928

Basanez, L. 06604
Basar, T. 04787
06350
Basar, T.U. 04787
09559
Basatakaya, L.V. 06852
Baseia, B. 08966
Bashir, A. 02455
07214
07216
08835
08856
Bashkirov, Sh.Sh. 08926
Bashko, E.L. 08275
Basigli, A. 07762
Basile, P. 09495
Baskakov, S.I. 03211
Baskin, A.B. 02530
Basol, B.M. 04439
Basov, N.G. 06635
Bass, S.C. 09480
Bassett, M.E. 08698
Basseville, M. 01550
06341
Basso, R. 08144
Bastide, J.C. 04959
Basu, R. 07274
Batalov, S.A. 03143
Batchelor, B.G. 00419
Batchelor, D.A. 05059
Bateman, A.J. 07929
Bates, R.H.T. 08487
Batey, J. 01119
Bathker, D.A. 06501
Batina, J.T. 08584
Batrachenko, V.S. 06893
Batrak, N.B. 00258
Batson, R.M. 02200
Batt, R. 04621
Battarel, C.P. 02679
Batyaev, I.M. 03480
Batzer, T.H. 06636
Baudet, G.M. 01247
Bauer, G. 08195
Bauer, P. 00243
Bauer, P.E. 05257
Bauhahn, P.E. 04420
Baum, C.E. 03214
Baumbick, R.J. 06960
Baumert, R.J. 07640
Baumgartner, C.E. 08320
Baumgartner, S.L. 00499
Bautin, A.V. 05034
Bava, E. 03859
Bava, G.P. 03859
Baxter, B.S. 05343
Baxter, D.C. 06643
Baxter, E. 05507
Baxter, P.E. 01178
Baxter, R.D. 00368
Bay, J. 01623
Baybars, I. 09305
Baykal, Y. 03225
Baykowski, J. 06018
Bayless, J.W.,III 01864
Baynham, D.E. 04140
Bayraktaroglu, B. 04378
Bayuk, F.J. 05525
Bazarkin, A.N. 00908
Bazerghi, A. 08572
Bazhin, A.F. 05523
Beakley, J.E. 05269
Beal, R.C. 09502
Beales, K.J. 07732
Beam, T. 04319
Beans, E.W. 01708
Beasley, M.R. 04108
Beatty, J. 05323
Beauchamp, E.D. 03270
Beaulieu, R. 00793
02997
Bebelin, I.N. 05785
Bechar, H. 06397
Bechtel, R.T. 08596
Bechtel, S.E. 09146
Beck, A.H.W. 09122
Beck, F. 04973
Beck, R.T. 03384
Beck, W.A. 07260
Beckel, S.A. 04860
Becker, H. 04256
Becker, K. 06466
Becker, M. 00078
06681
Becker, N.J. 04453
Becker, R. 01280

Becker, R.A. 00838
Becker, R.C. 08805
08813
Becker, R.D. 06315
Becker, R.S. 05088
Beckwith, S.K. 05612
Becquet, C. 04187
Bedair, S.M. 05681
Bedair, S.S. 09102
Bedard, G. 08359
Bedharz, J.P. 09041
Bednar, J.B. 05456
Bednar, R.A. 08737
Bednarek, J.H. 04928
Bednarz, G.A. 06064
Beecher, D.E. 05304
Beehler, R.E. 03650
Beer, D. 03157
Beesley, P. 00699
Begemann, S.H.A. 02525
Beguier, C. 03268
Beha, H. 04065
Behbahani, A. 05162
Beica, T. 02533
Beinvogl, W. 01164
Beisser, F. 00992
Beissner, R.E. 06768
Bejczy, A.K. 02040
Bekheet, A.M. 00175
Bekir, E. 06287
Bel'kov, E.P. 06773
Bel'ykh, A.D. 07394
Beland, J. 08359
Belanger, J. 01775
Belani, J. 02786
Belbel, E. 06811
Belcastro, C.M. 00471
Beldie, I.P. 01389
01390
Belei, S.M. 06870
Beletskii, N.N. 04812
Belevitch, V. 03488
Belitskii, D.B. 05034
Belkin, V.S. 03458
Bell, A.E. 00607
Bell, C.B. 06335
Bell, D.A. 08524
Bell, D.L. 04990
Bell, H.H.,Jr. 08277
Bell, R. 04879
08163
Bell, R.A. 03385
Bell, T.E. 02594
04522
Bell, W.A. 05251
Belland, P. 05771
09017
Bellavance, D.W. 02772
Bellchambers, W.H. 06102
Bellini, S. 07985
Bello, P.A. 09560
Bellone, S. 01179
07614
Bellows, R.J. 01795
Belousov, G.E. 08830
Belousova, T.Ya. 06897
Belrose, J.S. 03254
Beltrame, F. 00884
Beltran, N. 04443
Belugina, T.O. 08220
Belyaev, G.I. 06773
Belyaev, P.P. 07074
Belyaev, R.A. 03305
Belyaev, S.M. 08659
Belyaev, S.V. 01072
Belyaeva, A.I. 00246
Belyaevskaya, E.A. 06743
Ben-Yosef, N. 05671
Ben'kova, L.F. 05844
Benbassat, G. 03079
Bender, L.U. 02215
Benedetto, S. 02307
07821
Beneking, H. 01199
Benelli, G. 06237
07944
Benenson, D.M. 00109
Benenson, R.E. 06722
Bengiamin, N.N. 01696
Benhamou, E. 05413
Beni, G. 01111
05233
Beni, P. 05276
08047
Benilov, M.S. 04297
Benjamin, O.J. 00680
Bennett, G.W. 00518
05312
Bennett, H.S. 02696
Bennett, K.C. 01069
Bennett, S.D. 03502
08485
Bennett, W.S. 01609
Benny, A.H. 02185
Benson, A. 02207
Benson, J.W. 00478
Benson, R.U. 03295
Bensoussan, D. 06902
Bentley, J. 00372
Benveniste, A. 01550
06341
09587
Benz, A.O. 05059
Benz, H. 04229
04259
Bequai, A. 03005
Beran, S. 00502
Berbari, E.J. 05307
Berceli, T. 06112
Berdai, M. 03921
Berdnikov, V.A. 01896
Berdonosov, V.A. 03455
Bereano, P.L. 08363
Beregov, A.S. 03500
Bereisa, J. 02336
Berg, G.J. 05837
06533
08155
08177
Berg, H. 04398
Berg, H.M. 07303
Berg, T.E. 08148
Bergamini, E.W. 02071
Berger, H.P. 04547
Berger, J. 08567
Berger, M.N. 07492
Berger, M.R. 05772
Bergh, R.A. 04545
07747
Bergland, G.D. 06210
Bergmann, H.-W. 00408
Bergmann, K. 00971
Bergstein, S.S. 01306
Bergveld, P. 00723
05517
07597
Berico, M. 05375
Berk, G. 00481
03652
Berkhoff, E.J. 02956
Berkhout, P.J. 07853
Berkowitz, R.S. 02901
Berlicki, T.M. 02479
Berlin, A.A. 00998
Berlin, M.A. 04535
Bermon, S. 04072
Bermudez, J.C.M. 05447
Bernal, J.J.P. 00519
Bernard, A. 02204
Bernard, F. 08563
Bernard, J.A. 04988
Bernard, J.J. 09356
Bernard, J.M. 08378
Bernardet, H. 00288
Bernede, J.C. 03473
04386
Berner, G. 07440
Berney, R. 08369
Bernfeld, M. 07874
Bernier, L.G. 03238
Bernstein, R. 05463
Bernstein, R.M. 00574
Berry, L.A. 06634
Berry, M.V. 00844
Berstein, A.D. 07005
Bertarionne, M. 09262
Berthel, R.O. 03726
Bertin, M.C. 03563
Bertini, F. 08047
Bertolini, A. 07866
Bertolotti, M. 00013
Berton, A. 08500
Bertotti, D. 03622
Bertram, L.A. 01890
Bertran-Salvans, M. 06328
Bertrand, J. 03831
Bertrand, M. 05308
Bertsch, J.E. 02430
Bertsekas, D.P. 05007
Besomi, P.R. 07375
Bespalov, V.B. 03869
Bessei, H. 08180
Bessi, F. 01611
Besslich, Ph.W. 05711
Bestuzhev, E.A. 01887
Bethmann, A. 07858
Betts, M. 08931
Beurier, G. 07748
Beuthan, J. 05598
Bevis, M. 01728
Bevov, R.K. 07394
Beyer, E. 05791
Beyer, E.P. 00549
Beyer, J.B. 01565
06454
08805
08813
Beyers, R. 02861
Bezanson, L.W. 05232
Bezvoda, V. 04748
Bezzard, D.R. 00242
Bhagat, D.B. 02288
Bhagwat, P.M. 06598
Bhandari, A. 02722
Bharath-Kumar, K. 04580
04593
Bhartia, P. 06420
09093
09109
Bhaskaran, V. 07707
Bhat, B. 04301
07470
08030
Bhat, I. 03945
03946
Bhat, K.N. 03945
Bhat, S.A.K. 02456
Bhatia, S. 08000
Bhatnagar, H.M. 04540
Bhatnagar, P.K. 05651
Bhatt, A.P. 06726
Bhatt, B.L. 02669
Bhatt, N.B. 01775
Bhatt, S.N. 07625
Bhattacharya, A.B. 03507
Bhattacharya, B.B. 00668
Bhattacharya, R. 03507
Bhattacharyya, A.B. 02478
Bhattacharyya, B.B. 05457
Bhatti, T.S. 06555
Bhaumik, B. 00729
Bhavnani, K.H. 06974
Bhowmik, B.B. 03369
Bhushan, B. 04352
04355
07530
Bhusri, G.S. 04660
Bi, G.-G. 03160
Bi, Y.F. 04226
Bialek, J.M. 06766
Biallozor, S. 03332
Bianchini, R.M. 06903
Bianco, B. 00884
Biass, E. 06983
Biasse, J.M. 00694
Bibikova, N.A. 06657
Bibyk, S.B. 07559
Bicelli, L.P. 05002
Bickford, R.L. 08412
Bickler, D.B. 08334
Biemond, J. 02373
Bieniek, K. 08158
Bienvenu, G. 03133
Biermans, F. 04213
Biesterbos, J.W.M. 00952
Biey, M. 07128
Bigelow, A.R. 09011
Bigeon, J. 07221
Biglieri, E. 07821
09558
Bilardi, G. 01547
Bilchak, R.V. 03353
Bilgory, A. 05990
Bilik, V. 08089
Billard, T.C. 02524
Billerbeck, W.J. 04997
Billinghurst, M.W. 00759
Billinton, R. 00144
01838
01870
03407
05014
06556
Bills, K.W.,Jr. 05268
Bimberg, D. 07381
Binari, S.C. 04830
Binder, H. 02540
Binder, J. 08850
Binder, L. 0
Binford, T.O. 0
05
Bingham, J.A.C. 07
Binh, V.T. 03
Birch, J.R. 08
08
Birch, K.G. 02
Birchak, I. 04
Bird, A.C. 07
Bird, J.S. 06
Bird, R.E. 03
07
Bird, W.L.,Jr. 08
Birk, J. 03
Birkhoff, R.D. 05
Birmiwal, K. 01
Birnie, R.V. 03
Biscoe, P.V. 00
Bishop, D.L. 03
Bishop, M.T. 01
Bishop, S.G. 08
Bissonnette, L.R. 06
Bistritz, Y. 03
Biswas, B.N. 03
Biswas, D.J. 00
Biswas, K.K. 05
Bitelli, G. 00
Bitter, K.H. 00
Bivens, C.C. 05
Bivins, L.E. 03
Biwer, R. 01
Bizais, Y. 05
Bjerkan, L. 04
Bjoern, O. 03
Bjorkholm, J.E. 05
Bjorklund, G.C. 00
05
Bjorlow-Larsen, K. 03
Black, R.J. 09
Black, W.C.,Jr. 05
Black, W.Z. 00
00
01
Blackburn, G.F. 07
Blackburn, J.C. 06
Blackman, H.S. 00
Blackman, L.D. 01
Blackmarr, B.R. 01
Blackmon, D.R. 03
05
Blackmon, M.T. 00
Blackwell, J. 05
Blaeuenstein, E. 03
Blagioni, R.N. 03
Blahous, L. 04
Blair, P.K. 07
Blair, S.C. 02
Blais, N. 06
Blake, S. 06
Blakelock, J.H. 00
Blakers, A.W. 00
03
05
Blakey, P.A. 00
02
04
Blanchard, B.J. 09
Blanchet, R. 01
Blanco, A. 01
Blanco, S. 05
Blandford, R.D. 00
Blank, S. 04
Blanke, H. 02
Blanken, C.L. 05
Blanks, H.S. 07
Blasse, G. 08
Blaszyk, P.E. 09
Blattner, C.J. 082
Blauschild, B. 031
Blauvelt, H.A. 00
Blazek, R.J. 06
Bleha, W.P. 025
Blinov, S.I. 085
Blocher, A.H. 046
Blokhin, A.V. 068
Blom, J. 005
Blomfield, D.A.E. 010
Bloom, J.A. 050
082
Bloom, L.R. 031
Bloom, M.J. 053
Bloom, S. 024
039
Bloomberg, D.S. 068
Bloomster, C.H. 066

low, K.J. 04556
06146
lower, R.W. 00699
ucker, T.J. 02088
ue, J.J. 04417
uish, J.A. 00462
um, J. 06752
umenthal, S. 04596
07791
y, B.G.,III 02197
yler, L.L.,Jr. 07696
yth, D. 06193
oada, F. 02337
oan, B.J. 09273
oard, K. 02830
04435
07545
oardman, S.M. 07667
oatwright, G.O. 02199
obrenko, V.M. 08482
obrov, E.S. 06627
obrov, N.A. 06789
obrow, J.E. 00422
occara, A.C. 00854
ocharov, T.V. 05844
ochert, M. 02549
ochkov, V.A. 03476
ochmann, G.V. 07676
ock, C.H. 03441
ocker, R.P. 07308
07309
ode, M.F. 00576
odger, P.S. 03308
odman, G.E. 08255
odtmann, W.F. 03192
06120
oecking, K. 08626
oegelsack, G. 05196
oehm, M. 09310
oehmer, H. 00933
oehnke, F. 09349
ehring, H.-D. 01327
oenig, H. 04248
enig, H.J. 04206
04282
04289
oerner, W.-M. 06300
oersma, J. 03488
06431
oesch, M.A. 01508
07604
oetti, A. 02870
ogaert, M. 02034
ogaerts, W. 08330
ogaerts, W.F. 03363
ogdanski, P. 04402
oggs, G.J. 07843
oggs, S.A. 01754
06588
ogler, P.L. 03171
ogner, B. 04001
ogner, U. 00904
ogoroditskaya, R.A. 06314
ogoyavlenskii, A.F. 03555
ogus, E.G. 01968
ogusch, R.L. 01413
hdan Gajewski, J. 03538
hlin, K. 01139
hn, P.F. 06984
hner, M. 05666
hr, M.T. 04481
iarski, A.A. 04341
icourt, R.M. 00379
ies, S.J. 07819
iko, M.S. 00326
iko, V.A. 08057
is-Clair, J.C. 06590
is, P. 03139
isde, G. 07722
ivin, A. 00918
05732
ivin, R. 05732
jarski, N.N. 08009
kros, J.C. 08644
l'shov, V.M. 03838
ldarev, S.T. 00247
ldea, I. 00618
lef, D.I. 05786
les, M.S. 05296
lger, C.,Jr. 03034
ll, S.F. 01543
lle, D.M. 01641
llinger, J.J. 06869
lomey, J.-C. 00047
00059
07366
Bolomey, J.Ch. 05291
Bolon, P. 04750
Bolopion, A. 03272
Boltersdorf, J. 02173
Boltnev, A.N. 07611
Bolton, A.G. 08756
Bolton, J.R. 02519
03353
Bolton, T. 07673
Bomar, B.W. 07130
Bommeli, J. 03281
Bonadies, V. 00218
Bond, A. 07803
Bondar, V.A. 02445
Bondarenko, A.V. 03837
Bondarenko, V.I. 07227
Bondeson, A. 00931
Bonert, R. 03535
06622
Bonfig, K.W. 05581
Bongiovanni, G. 05993
05994
Bonneau, G. 05308
Bonner, A.J. 06340
Bonnet, J.A.,Jr. 00631
Bonnetain, L. 03337
Bonney, M.C. 08566
Bonnitcha, D.L. 08182
Bonuccelii, M.A. 01403
Bonwick, W.J. 06673
Bonyhard, P.I. 05861
Booda, L.L. 02979
07873
08623
Booker, J.R. 08263
Boom, G. 08386
Boom, R.W. 04281
Boorstyn, R.R. 06270
Boose, C.A. 02516
Booth, R.V.H. 05951
Boothroyd, A.R. 04418
Booz, J. 05161
Bor, D. 05301
Boraas, S. 03642
Borden, B.H. 04721
Bordley, T.E. 02274
Boreiko, R.T. 03785
Borenstein, S.R. 05158
Borey, B.K. 00174
Borgini, F. 06007
Borgonova, F. 04632
Borgonovo, F. 09556
Borison, A.B. 04892
Borisov, A.V. 02318
Borisov, S.N. 08704
Borisov, V.V. 06419
Borissov, M. 03526
Borkam, W. 02329
Borky, J.M. 06955
Borle, W.N. 01908
Born, H.R. 08350
Bornand, E. 08494
Bornard, P. 04959
Bornemann, J. 03798
07490
Borovac, B. 02037
Borrego, J.M. 03945
03946
Borrel, P. 08563
Borshchan, V.S. 05117
Borstad, G.A. 07052
Borys, A. 03841
08761
Bosch, B.G. 09282
Boscher, D. 09364
Bosco, P. 00996
Bose, A. 00152
00239
01710
01858
04886
08362
Bose, B. 00138
Bose, B.K. 02055
02340
04868
07101
Bose, C.B. 02582
Bose, C.S. 03336
Bose, D.N. 01144
Bose, N.K. 05498
Bosisio, R.G. 01647
08069
Bosman, D. 00824
Bossavit, A. 06751
Bosscha, G.J. 07132
Bosse, N.V. 08680
Bossi, J.A. 06935
Bostian, C.W. 09419
Bostrom, A. 01060
Bosworth, R.H. 05978
Botez, D. 04001
04012
07404
Botstein, C. 05305
Bott, B. 03541
03545
Bottoni, G. 05867
Boucher, B. 02940
Boucher, J. 09548
Boudot, M. 01128
Boudreaux, G.F. 07108
Boue, S. 05641
Bouillault, F. 06765
Boulogne, M. 02157
Boulton, P.I.P. 04571
Boulton, W.J. 08708
Bourbeau, F.J. 00675
Bourcier, D. 08563
Bourne, K.M. 03070
Bousse, L. 00723
Boutin, N. 04747
07212
Boutonnat, M. 03833
Boutot, J.P. 05159
Bouwmeester, R. 05379
Boves, L. 04687
Bovik, A.C. 04766
Bowden, P.A. 07662
Bowe, T.R. 06619
Bowers, J.E. 04344
05762
Bowles, R.L. 00486
Bowless, J.P. 08246
Bowling, A. 01096
Bowling, D. 08816
Bowman, D.H. 01857
Bowman, M.K. 03441
Bowman, R.J. 09218
Bown, H.G. 06128
Bowron, P. 00634
07121
Boxenhorn, B. 01255
Boxman, R.L. 02619
09074
Boyarinov, I.M. 01590
Boyd, D. 01564
Boyd, I. 07111
Boyd, I.W. 04043
Boyd, J.K. 08287
Boyd, R. 02168
Boyd, S. 02410
05231
Boyde, A. 05701
Boyer, L. 02469
Boyhan, J.W. 07901
Boyle, P.M. 01849
Boyle, R.F. 04949
Boyless, J.A. 03628
Boyse, J.M. 02228
Bozhkov, T.G. 00842
Bozhkov, V.G. 02715
09173
Bozilovie, H.A. 01657
Bozzetti, M. 01442
03235
Braatz, P.O. 07297
Bracewell, R.N. 09545
Brach, E.J. 08655
Brackett, W.E. 00614
Bradbury, J. 06196
Bradley, J.N. 06331
Bradley, P.D. 06461
07584
Bradshaw, R.L. 04352
07530
Bradt, L.J. 02041
Brady, F.J. 06510
Brady, M.E. 02111
Braggins, D. 08279
Bragin, A.A. 06771
Braginsky, V.B. 04184
Braguier, M. 00818
Brailovskii, V.V. 00702
08490
Brain, M.C. 00768
Brainard, W.A. 00202
Braine, M.R. 02980
07775
Bral, L. 06675
Bramanti, M. 01100
Brambilla, E. 03824
Brambilla, P. 03824
04423
05242
Bramble, J.H. 06758
Brameller, A. 01750
Branch, P. 06197
Brand, G.F. 00269
04835
06467
06468
08994
Brand, R.R. 02192
Brandmaier, H.E. 02288
Brandon, W.E. 00380
Brandt, A.V. 07912
Brandt, C.-D. 02909
Brandt, D. 08265
Branduardi-Raymont, G. 05060
Brandwajn, V. 01765
Brasca, E. 00105
Brates, N. 00109
Bratman, V.L. 01066
Bratnick, M. 00004
Bratoljic, T. 08169
08343
Bratton, R.E. 04915
Brau, C.A. 00921
Braun, C. 07344
Braun, C.B. 04237
Braun, E.V. 04361
Braun, J.E. 03356
Braun, J.M. 01739
Braun, R.-P. 09349
Braun, W.R. 07795
Braune, W. 05918
Braunlich, P. 02555
Braunovic, M. 06878
Braunstein, A. 00222
Brayer, K. 02985
Breakwell, J.V. 05272
Brebovszky, J. 01453
Brechbuehler, M. 06560
Breckenridge, W.G. 02091
Breedlove, H.A. 03274
Breeze, P. 07539
Brehmer, K.E. 03847
Breipohl, A.M. 04966
06697
Breit, A. 02131
Brengelmann, G.L. 08637
Brennan, K. 05896
05926
Brennan, K.F. 00267
Breslawsky, M. 03008
Bresnock, F.J. 00264
Bressani, T. 05588
Bretherton, C. 03797
Bretthauer, K. 02465
02470
05807
Breuer, M.A. 01244
02844
05503
06012
Brewer, T.E. 04903
Brews, J.R. 01152
Brezeanu, Gh. 07556
Brezezinska, D. 06018
Brezinshcak, M. 03890
Brickell, E.F. 04793
Bricot, C. 01500
Bried, F. 08161
Brieger, K.-P. 00290
Brieger, K.P. 09180
Brieko, M.W. 04183
Briggs, K.B. 00562
Bright, R.N. 03368
Briguet, V. 07481
Brill, A.B. 05312
Brimacombe, R.K. 07359
07396
Bringi, V.N. 03250
Brinner, T.R. 05070
Briskman, R.D. 07799
Brito Cruz, C.H. 07414
Britting, A.O. 06652
Britz, D. 00260
Brivio, P.A. 03699
Brock, L.M. 00011
Brock, T.E. 05199
Brockerhoff, W. 09235
Brockherde, W. 09599
Brockhurst, F.C. 05431
Brockway, G.S. 01321
Brodd, R.J. 01797
Broderick, P.W. 02247

Brodersen, R.W. 02481
05454
07618
Brodfuehrer, B.P. 07586
Brodmann, R. 02558
Brody, W.R. 06994
Brodzinski, R.L. 04987
Broennimann, R. 07320
Broers, A.N. 00831
Brofferio, S.C. 09400
Brokaw, A.P. 04756
Bromba, M.U.A. 05439
Bromberg, L. 00170
Bromberg, P.A. 02158
Bromborsky, A. 09116
Bromley, K. 07309
Bronez, T.P. 06310
Brood, R.J.A. 03877
Brooke, G.A.G. 09484
Brooks, B.G. 05611
Brooks, C.L. 03317
Brooks, J.S. 02737
Brophy, J.J. 00710
Brophy, J.R. 08596
Brors, D.L. 02861
Brosnan, S.J. 00903
Brotman, S.N. 04574
Brouns, R.J. 08507
Brousseau, R. 06172
Brouwer, R.P. 00952
Brovarnik, V.V. 04468
Brown, D. 05554
Brown, D.A. 08620
Brown, D.B. 02777
Brown, D.E. 08418
Brown, D.P. 04987
Brown, D.R. 01760
08210
Brown, E.M. 02110
Brown, G. 09482
Brown, G.J. 04614
Brown, G.S. 00010
01614
Brown, G.T. 01226
Brown, H. 02409
Brown, J. 06114
Brown, J.E. 06534
Brown, M.K. 06159
Brown, N. 07331
Brown, N.J. 03991
Brown, R. 00550
05933
Brown, R.D. 00570
Brown, R.G. 03805
06339
Brown, T.A. 02006
Brown, V. 03024
Brown, W.D. 01203
Browngardt, R.P. 03397
Brownlee, B.J. 04524
Brozostek, E. 06584
Brozovic, V. 03584
Bruce, F.M. 08160
Bruce, R.H. 09245
Bruck, G.J. 09040
Bruck, Yu. M. 07322
Brucker, G.J. 01154
Brudnyi, V.N. 01141
Brueck, S.R.J. 06882
Brueck, T.M. 04590
Bruell, S.C. 05396
Bruels, W.H.A. 05441
Bruemmer, F. 00443
Bruggeman, E. 05383
Brugner, F.S. 01088
Brulhart, G. 06603
Brumm, M.G. 02252
Bruneder, H. 05614
Brunelli, B. 06517
Brunfeldt, D.R. 04724
Brunner, H.R. 02536
Brunner, W. 00968
Brunnschweiler, A. 01168
Brunnschweiller, A. 01953
Bruno, C. 05210
Brunshtein, Yu.G. 06864
Brusentsova, R.M. 00258
Bruynseraede, Y. 01026
Bryan, E. 05594
Bryant, A. 01987
Bryant, C. 03485
Bryant, F.J. 00792
Bryant, N.A. 07019
Bryant, R.E. 09205
Brytkov, V.V. 06784
07543
Bryukhanov, O.N. 02442
Bryzek, J. 08384
Brzustowicz, T.J. 03121
Bube, K.R. 05633
Bube, R.H. 06662
08884
Bucaro, J.A. 07756
Bucci, O.M. 04855
Bucher, E. 08873
Buchert, J. 04016
Buchmeier, F.A.,Jr. 00128
Buchroeder, R.A. 08885
Buchsbaum, G. 05336
Buck, I.P. 02189
Buckingham, M.J. 04734
Buckler, L.M. 01535
Bucklew, J.A. 07974
Buckley, F.J. 07080
Buckley, G.W. 04890
Buckley, T.J. 00061
Buckner, S.A. 01023
Buczkowski, A. 08875
Budenkov, B.A. 08482
Budisin, S.Z. 09555
Budwey, J.N. 07828
Budzynski, T. 06018
Buergerhausen, F. 02831
Buhl, D. 08399
Buhl, M.L. 03353
Buhrman, R.A. 04088
04207
Buhse, U. 02972
Buijs, F.M. 03877
Bujatti, M. 07599
Bukchin, A.M. 01574
Bukhalev, V.A. 09543
Bulgakov, V.F. 02670
Bulik, J.E. 02800
Bulman, G.E. 00267
Bulmer, C.H. 09108
Bunce, N.J. 05140
Bunch, J.B. 00129
Buncick, M.C. 05088
Buness, K. 04048
Bunget, I. 07572
Bunkin, F.V. 07871
08057
Buoncristiani, A.M. 01114
Burch, J.L. 00490
Burchett, R.C. 01767
01773
Burdett, T. 01434
Burford-Taylor, C. 04699
Burg, J.P. 09535
Burgaud, P. 04386
Burgelman, M. 05652
Burgener, K.W. 04817
Burgess, J.F. 06081
Burghardt, R.R. 00113
Burgyan, L. 02675
Burk, D.E. 03558
04377
Burke, A.F. 02340
Burke, B.E. 05453
05513
Burke, J.J. 01865
08267
Burke, L.D. 06671
Burke, P.E. 06760
Burkett, H. 02569
Burkey, B.C. 00774
09230
Burkhart, C.W. 01014
04168
Burls, G. 01944
Burnashev, M.V. 07925
Burnett, R.O. 08233
Burnham, R.D. 00954
00962
04006
08962
Burns, G. 02524
Burns, M.R.,Jr. 00388
Burns, W.K. 03949
09108
09361
Burnside, W.D. 04817
Burr, D.C. 03113
Burrel, G.A. 06411
Burrow, N.G. 08764
Burrows, M.L. 06480
Burrus, C.A. 05762
07339
Burrus, C.A.,Jr. 08961
Burrus, C.S. 02369
07136
Burrus, C.S. 07137
Burstein, M. 02810
Burstyn, H.P. 06233
Burt, P.J. 03180
Burton, R. 01829
Burton, R.L. 06963
Bury, J.R. 07471
Busacca, G. 08859
Busarello, L. 08181
Busca, G. 08975
Busch, H. 01327
Buseck, P.R. 00373
Buser, E. 07481
Bush, C.K. 03392
Bush, E.L. 05578
Bush, I.J. 07752
Bush, R.A. 00116
Buskirk, F.R. 05062
Busov, V.L. 01976
Buss, L.B. 06972
Bussard, R. 03343
Busschaert, H. 07507
Busse, J.G. 03030
Bussieres, P. 08359
Butera, M.K. 08648
Butkovskii, A.V. 07399
Butland, J. 07121
Butler, C.M. 01665
03202
08020
08110
08127
Butler, D.P. 04096
Butler, J.F. 04024
Butler, J.M. 06074
Butler, P.C. 01804
Butler, R.E. 01292
Butman, S.A. 09499
Butseroga, V.P. 00255
Buttafava, P. 05881
Butter, K.-D. 01167
Butterweck, H.J. 07120
Buttram, M.T. 09104
Butts, D.C. 03628
Buus, J. 04015
07389
Bux, W. 04785
05397
Buxton, P.H. 05069
Buzanov, V.A. 01252
Byars, C.L. 03393
Byer, N.E. 07260
Byer, R.L. 05752
05754
09032
Byers, K.R. 08507
Bykhovskii, I.Yu. 08461
Byrd, W.R. 00116
01039
Byrne, C.L. 00313
Byrne, D.J. 04435
Byrne, G.F. 03712
Bystricky, K.M. 00810
Byvik, C.E. 01114

Cabey, M.A. 06563
Cable, B.W. 00121
Cabot, M.A. 00355
Cadwallader, J. 05181
Cadzow, J.A. 06310
Cafissi, R. 03168
Caglayan, A.K. 06283
Cai, G.-X. 05148
Cain, D.G. 05384
Cain, G.D. 04784
Caine, E.J. 00791
Caironi, G. 02803
02962
Cakir, A. 06242
Calabek, M. 00179
Calabrese, M. 07954
Calandra, E.F. 09254
Calise, A.J. 03630
Caliskan, M. 04737
Call, W.R. 06636
Callahan, A.C. 07883
Callahan, P. 08673
Callanan, W. 01417
03194
Callas, G.P. 06958
Calleja, E. 05080
Calleja, M.J. 08882
Callison, R.D. 03447
Callizo, L.A. 00487
Callow, W.J. 00761
Caloba, L.P. 0378
0544
0718
Calovic, M.C. 0910
Cals, E. 0893
Calvaer, A.J. 0815
Calvez, L. 0908
Calvit, T.O. 0289
Camacho-Penalosa, C. 0005
Camanzi, A. 0250
Cambrell, G.K. 0681
Cameron, D.C. 0122
0759
Cameron, D.W. 0188
Cameron, J.M. 081
Cameron, L.E. 076
Camilleri, N. 048
Camilli, P.P.G. 030
Camisa, R.L. 059
Campana, J.E. 067
Campanella, M. 095
Campanella, S.J. 060
Campbell, A.B. 042
Campbell, C.K. 091
093
Campbell, D.R.J. 008
Campbell, E. 094
Campbell, E.M. 057
Campbell, H.E. 065
Campbell, J.C. 078
Campbell, J.J. 048
Campbell, J.K. 086
Campbell, J.S. 059
Campbell, J.W. 085
Campbell, M.E. 020
Campbell, S.A. 059
Campbell, W.E. 072
Campbell, W.J. 021
Campen, G.L. 018
Campos, A.C. 093
Camus, D. 010
Camus, P. 005
Canali, C. 010
026
038
052
Canay, I.M. 016
Canay, M. 001
Cancellieri, G. 013
CAncellieri, G. 0770
Candolfo, D. 058
Candy, J.C. 006
Canovai, G. 078
Cantoni, A. 064
Cantwell, W.F. 084
Cao, Q. 008
Caola, R.J. 017
Capasso, F. 027
039
075
Capehart, B.L. 018
Capes, C.E. 033
Capes, F. 087
Capjack, C.E. 058
Caplain, A.E. 026
Caponi, M.Z. 009
009
Caporossi, D. 077
Cappellari, J.O. 070
Cappellini, V. 022
079
089
Cappello, A. 088
Cappello, P.R. 060
Capponi, G. 088
Cappy, A. 092
Caramanis, M. 049
Caramelle, D. 093
Carayannis, G. 047
054
Card, D.H. 053
053
Card, H.C. 056
056
Cardin, R. 092
Cardon, F. 027
Cardoso da Rocha, V. 015
Cardoso, J.-F. 084
Carelli, P. 041
Carfagna, C. 002
Caria, M. 055
Carico, D. 052
Carin, R. 044
Carli, B. 084
Carlin, D.B. 090
Carlin, J. 018

arlise, R.L. 06504
arlotti, M. 08434
arlson, D. 02906
arlson, J.N. 01804
arlson, M.E. 00620
arlson, R.D. 09307
arlson, R.O. 06081
arlson, R.W. 01808
armichael, D.C. 08341
arnera, A. 01052
arney, J.K. 00956
07292
aroubalos, C.A. 06398
arpinelli, G. 08228
arr, I.D. 07419
arr, J.W. 00737
arrell, P. 03015
arrillo, J.F.D. 00519
arroll, A. 04135
arroll, D.P. 06617
arroll, P.K. 05052
arroll, R. 00548
arrus, A. 08139
arruthers, G.R. 07076
arstensen, E.L. 02141
artee, R.E. 02159
arter, G.C. 01544
arter, H.W. 02844
arter, J.Q. 04949
arter, M.P. 04928
arter, R.L. 07204
arter, T.E. 04771
arter, T.M. 09259
artwright, R.H.T. 06248
aruso, A. 01179
07614
aruso, G. 06392
arver, G.P. 02739
asadei, D. 06517
asale, S. 06105
asasent, D. 05212
06908
ashbaugh, D.M. 06308
ashman, J.D. 08024
ashman, W.F. 02893
aspi, S. 04125
04179
04205
04245
Cassara, F.A. 09561
Cassinis, R. 03699
Castagna, J.P. 06856
Castagnolo, B. 03823
Castellani, V. 06369
07821
Castelli, G. 01301
08345
Castillo, H.T. 03679
Castle, G.S.P. 03540
07561
Castle, J.G.,Jr. 03456
Castle, K.R. 07032
08661
Castro, J.C. 06512
Caswell, D.L. 06209
Catanese, C.C. 02483
Cate, E.G. 04946
Cathey, J.J. 03262
Cathey, L. 08893
Catley, C. 02278
Cattanach, D. 05371
07044
Cattell, A.F. 00816
Cauchon, D. 05856
Caudill, S.B. 06250
Caulfield, D. 06307
Caulfield, H.J. 02296
07300
07309
07428
Cavagnaro, W. 08238
Cavanagh, M.F. 04628
Cavcey, K.H. 06165
Cazzola, R. 03859
Ceccarelli, C. 08408
Cecchetti, A. 05867
Cecere, G.J. 08585
Cederbaum, I. 07155
Celi, E. 02553
Celotti, G. 01052
Cendes, Z.J. 06823
Cenko, A. 00458
Center, R.E. 00926
Cericke, W. 05673
Cerny, E. 08597
Certo, M. 03510
Certo, M. 03511
06847
Ceschia, M. 08824
Cesky, T. 06486
Cetas, T.C. 05342
Cha, A.G. 06501
Chagas, F.A. 00153
00289
Chai, Y.G. 01192
Chaikovskii, M.G. 05149
Chakhovskii, V.M. 08327
Chakrabarti, A. 00289
04805
Chakrabarti, N.B. 07583
Chakrabarty, A. 08664
Chakraborti, N.B. 02492
Chakravarthy, C.V. 01449
04795
Chakravertty, S. 01816
Chalasinska-Macukow, K. 00654
Challa, N. 04455
Challener, P. 04759
Chalmers, N.G. 06201
Cham, K.M. 02862
04500
07596
Chamard, R.R. 02250
Chambaz, B. 02004
Chamberlain, G.A. 03354
Chamberlain, S.G. 05593
05940
05979
08866
Chambers, B.J. 00127
Chambers, C.A. 05134
Chambers, W.F. 05693
Champagne-Philippe, M. 00560
Champion, T.C.,III 00116
Champness, C.H. 00806
Chan, C.K. 05436
Chan, C.P. 09399
Chan, D.S.K. 03527
Chan, E.H.P. 05011
Chan, H.A. 04055
Chan, K. 09329
Chan, P. 04445
Chan, P.G. 03585
Chan, S.M. 01839
04955
08230
Chan, S.W. 06382
Chan, W.-C. 00077
Chan, W.-Y. 07681
Chande, P.K. 08469
Chandorkar, A. 05960
Chandra, G. 03956
Chandra, I. 03956
09252
Chandra, K. 04540
Chandra, M.M. 01153
Chandra, R. 01817
Chandran, S.R. 01591
Chandrasekaran, S. 09202
Chandrasekaran, T. 03849
Chandrasekharan, E. 03714
Chane, J.P. 01133
Chaney, T.J. 05506
Chang, A.C. 01937
Chang, C. 02481
Chang, C.-B. 06286
Chang, C.-S. 07943
Chang, C.-Y. 01560
Chang, C.C. 00770
Chang, C.L. 01061
06436
Chang, C.Y. 05930
Chang, E.S. 03706
Chang, H. 09463
Chang, H.T. 01985
Chang, J. 03162
Chang, J.-F. 03125
Chang, J.H. 03876
Chang, K. 09118
Chang, K.Y. 01367
Chang, L.S. 07307
Chang, M. 04034
05775
Chang, M.C. 04383
Chang, S.-H. 01211
Chang, S.-L. 01077
Chang, S.C. 07489
Chang, S.K. 01099
06379
Chang, T.-L. 03735
03829
Chang, T.Y. 05073
Chang, W.H. 04078
Chang, W.S.C. 09119
Chang, W.W. 07199
Chang, Y. 04145
Chang, Y.-W. 05533
Channin, D.J. 07733
Chao, C. 04420
Chao, C.C. 08618
Chao, C.S. 02755
Chao, K.S. 05491
Chao, M.V. 04610
Chao, P.-C. 01210
Chao, P.C. 05973
Chao, S. 01509
Chao, T.-H. 05662
Chao, T.F. 07904
Chaplin, G.F. 08684
Chapman, J.E. 07734
Chapman, T.C. 05063
Charef, M. 05955
Chari, M.V.K. 00070
06801
06802
Charleton, P.J. 08707
Charnock, H. 04713
Charny, L. 04916
05027
Charrat, O. 08206
Charry, E. 01157
Chartoff, R.P. 06074
Chase, E.L. 09551
Chase, R.L. 06890
Chassande, J.P. 01714
Chattaway, A.T. 03585
Chatterjee, C.K. 02652
Chatterjee, I. 03681
05292
Chatterjee, J.S. 05829
06499
Chatterjee, P.K. 02772
Chatterjee, R. 04358
Chatterjee, U.K. 00969
Chatterji, B.N. 02283
Chatterton, P.A. 09076
Chaturvedi, G.J. 02735
03956
Chaturvedi, P. 00577
Chaudhuri, N. 05076
Chaudhuri, S. 01207
Chauhan, J.P.S. 02503
Chauvin, W.J. 06878
Chavel, P. 07298
Chavey, P. 08567
Chayanov, B.A. 01072
Chebanenko, A.P. 04433
Checkaneck, R.W. 05124
Cheek, G. 02499
Cheek, G.C. 07271
Chein, W.J. 04376
Chekalin, S.V. 08608
Chemeova, L.I. 06772
Chemeresyuk, G.G. 04433
Chen, B. 07754
Chen, B.-U. 02922
Chen, C.-E. 04404
Chen, C.-H. 05930
06306
Chen, C.-J. 08200
Chen, C.-L. 02771
Chen, C.-T. 01596
01597
09382
09565
Chen, C.-W. 02563
Chen, C.E.C. 02772
Chen, C.F. 05436
Chen, C.H. 01622
08087
Chen, D.T. 00563
Chen, D.Y. 09202
Chen, F.S. 06945
Chen, H.-K. 03203
Chen, H.-S. 03625
Chen, H.Y. 05865
Chen, J. 00577
06622
09513
Chen, J.C. 01147
Chen, J.S.-P. 06695
Chen, J.T. 04244
Chen, J.Y.-T. 02825
02848
09274
Chen, J.Y.H. 04954
Chen, K. 01737
05430
Chen, K. 06464
Chen, K.-L. 07382
Chen, K.C. 04840
Chen, M.-L. 02761
04409
Chen, M.H. 03237
Chen, M.S. 01762
04517
Chen, N.P. 06043
Chen, P.-L. 00876
01030
Chen, P.Q. 02319
Chen, R.K. 07947
Chen, S.-H. 06332
Chen, S.-T. 09177
Chen, T. 01513
09170
Chen, T.-B. 02136
Chen, T.C. 07125
Chen, T.R. 00923
Chen, W.-H. 02655
Chen, W.-K. 05488
05497
Chen, W.-X. 03433
Chen, W.C.-N. 01308
Chen, W.H. 07957
Chen, W.S. 05635
Chen, W.Y. 04152
Chen, Y. 00425
Chen, Y.-C. 02359
Chen, Y.-M. 00349
Chen, Y.K. 07647
Chen, Y.N. 04887
Chen, Z.-G. 08082
Chen, Z.G. 07948
Chen, Z.X. 02683
Chen, Z.Y. 06467
Chenery, A.G. 00505
Cheng, B. 05991
Cheng, C.F. 00550
Cheng, C.H. 03940
Cheng, C.L. 05073
07592
Cheng, D. 01513
Cheng, D.K. 06421
Cheng, J.-S. 09334
Cheng, J.K. 01535
Cheng, P.S. 08043
Cheng, S. 00901
Cheng, T.-S. 07824
Cheng, T.S. 01330
Cheng, W.K. 09078
Cheng, Y.-H. 06021
Cheng, Y.C. 03471
Cherba, D.M. 05218
Cheremisin, S.M. 06788
Cherenkov, V.P. 06789
Cherepenina, E.S. 05523
Cherevichenko, S.M. 09144
Chern, J.G.J. 05074
Cherne, R.D. 01991
Chernenko, I.M. 03559
Cherney, E.A. 08213
Chernov, B.B. 03325
Chernova, G.S. 01083
03497
07525
Chernyakhovskii, L.Kh. 01945
Chernyi, V.V. 06899
Chernyshev, S.M. 04033
Cheron, J. 04717
Chesson, G.L. 04641
Chetty, B.A. 02999
Chetty, S. 01999
Cheung, R.P. 03854
Cheung, W.N. 08432
Chevalier, G. 07722
Chevalier, J. 00984
Chevrel, R. 08500
Chi, C.-Y. 04774
Chi, J.Y. 01200
Chi, M.-H. 01208
Chi, Z.-C. 07431
Chiabrera, A. 00884
Chiang, A.M. 05453
Chiang, C.H. 01262
Chiang, F.P. 00887
Chiang, K.-W. 02856
Chiang, L.J. 04965
Chiang, S.-Y. 07596
Chiarini, F. 09547
Chiavassa, E. 05588
Chiba, A. 08293
Chiba, T. 02845
Chidamber, S.R. 01702
Chien, H.-C. 01213

Chien, R.T. 00441
Chihara, H. 04689
Chik, K.D. 02853
Chikamura, T. 00766, 00775
Chikazumi, S. 01670
Child, S.Z. 02141
Childers, D.G. 01554
Childs, G. 06130
Childs, P.A. 01223
Chilenskas, A.A. 08321
Chilo, J. 04279, 09256
Chin, C.-L. 01536
Chin, G. 08399, 08927
Chin, G.M. 05978
Chin, S.A. 09202
Chinakarn, M. 02403
Chinn, S.R. 07338
Chinone, N. 00964
Chiou, A.E.-T. 00930, 01063
Chiron, G. 07503
Chisholm, W.A. 01722
Chistovich, L.A. 03086
Chistyakov, A.D. 08709
Chistyakov, E.S. 00363
Chitnis, V.T. 03486
Chitre, S.M. 06446
Chittick, R.C. 05578
Chiu, K.-Y. 05969, 05970
Chiu, K.Y. 02862
Chiu, L.-C. 02595
Chiu, L.C. 01902
Chiu, M.C. 00092
Chivel', Yu.A. 07213
Chivers, R.C. 01993
Chlamta, I. 06232
Chlebecek, R.A. 07426
Cho, A.Y. 01902, 02727, 03925
Cho, Z.H. 03670, 05042, 06729
Chochia, P.A. 00843
Chodzko, R.A. 08378
Choe, J.Y. 01057
Choe, Y. 05350
Choi, H.K. 07382, 07603
Choi, M. 04481
Choi, S.-G. 01180
Choi, S.Y. 04405
Choi, T.C. 05454, 05467
Choinski, T.C. 08077
Chong, C. 08344
Chopra, K.L. 00712
Chopra, Y.C. 05238, 05511
Chou, G.-C. 07943
Choudhry, M.A. 06617
Chougule, V.B. 03942
Chouinard, M.P. 05864
Chovet, A. 05846, 05910
Chow, J.H. 04962
Chow, L. 02488
Chow, R.K. 05370
Chow, T.P. 01246, 02829
Chow, Y.L. 01722
Chowdhuri, P. 04289
Chowdhury, S.K. 05829, 06499
Chown, M. 01369
Choy, A. 06768
Choy, C.T. 08165
Chraplyvy, A.R. 07702
Chrissoulidis, D.P. 01634
Christen, M. 08425
Christensen, G.S. 04887, 05411
Christian, K.D.J. 02517
Christiansen, C.F. 07581
Christiansen, J. 01327
Christiansen, T.R. 01880
Christie, J.L. 00522
Christie, R.D. 01857
Christmas, P. 00761
Christol, J. 03414
Christou, A. 08080
Chrostowski, J. 00853
Chu, A.N. 05062
Chu, C.K. 01121
Chu, D. 04919, 08273
Chu, F.Y. 01754, 02471
Chu, K.R. 07199, 08079, 08091
Chu, S. 02369, 07136, 07137
Chu, S.L.G. 05905, 05909
Chu, T.H. 08004
Chu, V. 03019
Chu, W.W. 04610, 06353
Chu, Y.H. 08933
Chua, L.O. 01182, 02402, 02406, 02410, 02419, 02439, 02676, 03934, 07156, 07170, 07174, 08791, 08793
Chua, Y.L. 01643
Chuah, D.G.S. 03941
Chuang, C.-T. 05125
Chuang, C.T. 07557
Chuang, C.W. 01664
Chuang, M.-C. 05222
Chuang, S.L. 03240
Chuaqui, H. 04040
Chub, A.F. 02656
Chubachi, R. 05869
Chubb, D.L. 08333
Chukhin, V.A. 02323
Chumachenko, A.A. 03475
Chumakov, A.N. 07213
Chung, H.-H. 01650
Chung, H.K. 07355
Chung, K.H. 09021
Chung, L.L. 04376
Chung, M.I. 06041
Chung, T.C. 08501
Chung, Y. 09185
Chung, Y.-W. 01213
Chung, Y.G. 08731
Chuprikov, N.L. 03230, 03232
Church, R.L. 01868
Churchill, T.L. 00926
Churikov, G.M. 06770
Chute, F.S. 00002, 05813
Chwang, R. 04481
Chyra, M. 00393
Ciardiello, G. 05881
Ciazynski, D. 03832
Cibulka, F. 04248
Cichocki, A. 07215
Cicolani, L.S. 06282
Cigany, S. 01454
Cihlar, J. 00544, 05356
Cimini, L.J. 06337
Cinieri, E. 06567
Cioffi, J. 07122
Cioffi, J.M. 09589
Cirillo, M. 04178, 04234, 05803
Cirillo, N.C. 05968
Cirkel, H.-J. 00975
Ciszek, T.F. 06748
Ciureanu, P. 09169
Civanlar, M.R. 09538
Civanlar, S. 01732
Claasen, T.A.C.M. 03149, 07124
Claesen, L. 00664
Claesen, L.J.M. 08739
Clancy, G.J.,Jr. 04576
Clara, F.J. 08934
Clark, A.F. 07446
Clark, A.P. 07679
Clark, B.G. 07881
Clark, G.A. 02391
Clark, J.E. 01069
Clark, M.M. 02259
Clark, M.T. 00191
Clark, P.E. 04874
Clark, R.A. 08412
Clark, R.F. 03233
Clark, T.A. 03785
Clarke, J. 04151, 04157, 04271
Clarke, J.A. 08121
Clarke, J.M. 03764
Clarke, R.C. 09294
Clarke, R.J. 05665
Clay, C.W. 08582
Clayton, D.L. 09423
Cleary, J.G. 07959
Cleaveland, P. 03605, 05830, 06531
Clem, J.R. 04103
Clemence, G.T. 00622
Clement, J. 07012
Clementi, A. 09495
Clements, K.A. 01855, 08243
Clemesha, B.R. 03725, 05381
Clendening, S.J. 09382
Clermont, G. 02034
Cleverly, D.S. 02781
Clewes, T.W. 00104
Clifford, C.E. 00381
Clingan, I.C. 00864
Cloete, J.H. 01067, 07479
Cloninger, P.A. 03657
Closs, F.H. 04785
Cloude, S.R. 01530
Clough, D. 02258
Clough, M. 02258
Cluzeau, S. 00288
Coakley, F.P. 03062
Coathup, L.W. 00318
Cobbold, R.S.C. 02152, 02153, 07505
Coburn, K. 05056
Coccetti, S. 02963
Coccia, E. 03556
Cochran, D.J. 05393
Cocilovo, M. 01826
Cockayne, B. 00816, 01226
Cocorullo, G. 05627
Cody, G.D. 05611
Coetzer, B.H. 06361
Coffer, J.G. 08028, 08378
Coffey, B.J. 00924
Coffey, R.E. 01394
Coffey, T. 06413
Coffey, T.C. 02096
Coffield, F.E. 06630
Cogburn, C.O. 00380
Coggins, J.M. 00871
Cohen, A.I. 06685
Cohen, H.A. 06974
Cohen, I.B. 06391
Cohen, J. 02324
Cohen, L.G. 07735, 07740, 09384
Cohen, L.M. 00281
Cohen, M.F. 01996
Cohen, P. 04652
Cohn, D.B. 05765
Cohn, D.R. 00170
Cohn, M. 03173
Cohn, N. 06684
Cohn, R. 04655
Cohn, T.E. 05321
Coiesson, R. 00734
Coiffet, P. 03611
Cojocaru, E. 07441, 07918, 09054
Cokkinides, G. 08346
Colardelle, J.S. 09285
Colbow, K. 00803
Colby, R.J. 06093
Colchin, R.J. 06634
Colclaser, R.G. 00237
Colclaser, R.G.,Jr. 01716
Colditz, A. 08653
Coldren, L.A. 05073, 05762
Coldren, L.A. 075, 089
Cole, E.R.,Jr. 033
Cole, G.R. 058
Cole, J.H. 077
Cole, R.,Jr. 079
Cole, T.L. 063
Cole, T.W. 095
Cole, W.H. 049
Coleman, H.P. 080, 081
Coleman, J.O. 079
Colestock, P.L. 082
Coletti, N.B. 036
Collares-Pereira, M. 033
Colleran, P.J. 065
Collet, B. 058
Colletta, G. 036
Collicott, H.E. 052
Collin, R.E. 081
Collings, N. 016
Collins, A.B. 053
Collins, D.A. 012
Collins, G.D. 040
Collins, G.J. 074
Collins, M.M. 023
Collins, S.M. 053
Collis, P.N. 070
Colombo, M. 035
Colson, W.B. 009
Coltman, R.R. 010
Coluzza, C. 024, 075
Colver, G.M. 088
Colvin, R.D. 051
Colvocoresses, A.P. 022
Colwell, R.N. 053
Comas, J. 075
Comber, M.G. 010
Comeau, M. 024
Comeron, A. 073
Compton, R.C. 064
Compton, R.T.,Jr. 032, 032, 064
Comroe, R.A. 076
Conilogue, R.L. 027
Conley, M.D. 020
Conley, W. 071
Conn, J.K. 032, 081
Connah, D.M. 008
Connell, G.A.N. 015, 015
Connelly, P.E.E. 068
Connerney, J.E.P. 005
Conners, R.W. 040
Connolly, G.L.S. 039
Connolly, J. 087, 094
Connolly, J.C. 090
Connolly, J.S. 033
Connors, D.P. 048
Conrad, H. 051
Conrads, W. 029
Consoli, A. 016, 048
Constans, J. 037
Constant, E. 059
Constant, M. 039
Constantinou, P. 013
Contaxis, G.C. 049
Conte, G. 053
Contolatis, A. 044
Conway, J.H. 063
Cook, B. 052
Cook, C.E. 028, 028
Cook, G.E. 020
Cook, G.M. 083
Cook, J. 029
Cook, J.S. 029
Cook, P.H. 066
Cook, W. 030
Cook, W.A.,Jr. 039
Cooke, A.J. 006
Cooke, D.R. 004
Cookson, E.W. 053
Coon, D.D. 043
Cooper, D. 030
Cooper, D.M. 077
Cooper, W.E. 042
Cooperman, M. 054
Coover, E.R. 030
Coovert, R.E. 088
Copas, M. 004

opes, P. 05402
opigneaux, P. 00360
oppa, G. 01351
.... 01352
.... 08025
oppersmith, D. 02796
orazza, G. 07863
.... 09528
.... 09547
orbet, R.H.D. 05060
orbett, W.T. 04491
.... 05997
orboy, J.F. 01108
.... 01268
orby, N.R.,Jr. 02048
orcoran, R.P. 01786
ordaro, J.T. 03626
ordero-Iannarella, R.F. 07754
ordes, J.M. 03728
orelli, D. 05835
orinthios, M.J. 09476
orkum, P.B. 00949
orl, P.D. 05098
ormack, G.V. 07967
ornelis, J. 04213
ornelius, N. 03452
ornet, J. 01500
ornwall, J. 08639
orradi, A.R. 05867
orry, A.G. 03997
orsi, F. 03823
ortelazzo, G. 02370
ortina, R. 00100
.... 02474
ortino, J. 03733
ory, B.J. 06696
.... 08259
ory, W.E. 03739
osby, L.A. 08090
oskunoglu, O. 03358
osta, G. 03454
osta, J.M. 03663
.... 03664
osta, M.F. 06425
osta, M.H.M. 01572
ostabile, G. 04234
ostamagna, E. 03811
.... 08886
ostello, D.J.,Jr. 06221
.... 06375
ote, P.J. 01762
otter, S.M. 00419
otton, J.C. 01489
ottrill, J.E. 07243
ouch, J.L. 03659
ouch, P.R. 01364
.... 04558
oughlin, J. 08109
ougnet, C. 06179
ouillaud, B. 09020
oulomb, J.L. 06548
.... 06811
.... 06828
.... 07221
oulter, D.C. 01487
oumans, J. 01327
oupland, R. 00229
ourbet, G. 06426
ourtois, D. 08438
outrakon, G.B. 05153
outts, J.A. 01382
outurier, C. 07963
ova, S.D. 02852
oveney, E.A. 00221
over, R.A. 08445
ovington, C.D. 01484
owache, P. 05657
owen, D.J. 02245
owley, S.W.H. 02265
ox, C.E. 05521
ox, D.B. 05528
ox, D.C. 01458
.... 01637
.... 07840
ox, D.D. 03118
oyle, E.J. 03155
racknell, A.P. 03435
.... 03446
.... 03447
.... 05688
raft, D.C. 09024
raighead, H.G. 01512
raighill, E.J. 07680
ramer, S. 02360
randall, J.L. 06912
randall, R.S. 00788

Crane, D.R. 00120
Crane, R. 00877
Crane, R.A. 05612
Crane, R.G. 03436
Crane, W.W.T. 05259
Cranfield, B.A. 07471
Craven, T.E. 09424
Craver, W.L.,Jr. 03771
Crawford, B. 05404
Crawford, F.W. 03564
Crawford, R.D. 02637
Crawford, R.W. 05079
Cray, E.R. 07829
Creamer, R.A. 00498
Creek, D. 04481
Creekmore, R. 05266
Crepeau, P.J. 03127
.... 06318
Cresap, R.L. 04902
.... 08230
Crespo, A. 02337
Cribbs, R. 03999
Criscuolo, A.L. 04282
Crise, A. 07910
Crist, E.P. 05355
Cristiani, S. 07070
Cristiano, R. 04167
Cristina, S. 06818
.... 08202
Cristofalo, E. 09507
Cristoloveanu, S. 05846
.... 05910
Critchley, M. 00506
Croall, S.J. 00714
Crochetiere, W.J. 08569
Crochiere, R.E. 09588
Crocoll, R. 01022
Crolla, P.A. 03373
Cromar, M.W. 04268
Cromp, R.F. 00612
Cronson, H.M. 05917
Crook, D. 02240
Crooks, L.E. 03440
Croopnick, S. 02086
Crosara, S. 03790
Cross, E.W. 03987
Cross, J. 04772
Cross, L.E. 02683
.... 07316
.... 09084
Crossland, P. 00521
Crossley, P.A. 01763
Croteau, G. 06590
Crouch, P.E. 05279
Crow, J.T. 09103
Crozat, P. 04075
.... 04076
Cruetin, J.D. 03724
Crum, L.A. 03516
Csakvary, E. 08565
Csillag, I.K. 08134
Csiszar, I. 03172
Csonka, P.L. 05053
Ctyroky, J. 07482
Cuccia, C.L. 06185
Cucolo, A.M. 04087
.... 05803
Cuddihy, E.F. 08328
Cuevas, A. 08880
Cui, G.J. 04119
Cuk, S. 03872
.... 04327
Cukauskas, E.J. 04240
Culhane, J.L. 05060
Culik, J.S. 05144
Cullen, D.E. 00743
.... 05121
Cullen, G.W. 01108
Culler, G.J. 00350
Cullum, J. 04962
Culp, R.R. 00380
Cummings, P.G. 04882
Cunningham, C.T. 08924
Cunningham, D. 01706
Cunningham, P.E. 03253
Cuomo, F. 05933
Cuperman, V. 04685
Cuperman, V.M. 06371
Cupples, E.J. 04682
Curlander, J.C. 05354
Curran, P.J. 07037
Current, K.W. 07113
.... 07178
Currie, R.J. 02073
Currier, L.W. 05988
Curry, D.J. 01493

Curry, D.J. 09170
Curry, R.E. 00455
Curry, W.J. 00010
Curtice, D.H. 01839
.... 08230
Curtis, B.H. 02536
Curtis, C.W. 04164
Custode, F.Z. 02768
Cusworth, R.A. 09048
Cutrim, E.M.C. 08693
Cutter, D. 08850
Cuturicu, A. 06712
Cvijetic, M. 09346
Cvijetic, M.M. 07760
Cyganski, D. 09099
Cyr, R. 09486
Czaja, J.J. 00500
Czarnecki, S.V. 00391
.... 09526

D'Addio, E. 09552
D'Agostino, S. 01275
D'Alessandro, D. 02343
D'Ambrosio, A. 01301
D'Ambrosio, G. 03682
D'Amico, A. 05809
.... 07550
D'Amore, M. 08202
D'Andrea, N.A. 07687
D'Angelo, J. 06802
D'Aragona, F.S. 03927
D'Asaro, A. 04407
D'Elia, G. 04855
D'Ippolito, D.A. 06642
.... 06643
D'Ottavi, E. 01994
D'Yakonov, V.I. 06049
D'yakonov, V.P. 07615
Da Silva Curiel, A. 06197
Da Silva, H. 03909
Dabbous, T.E. 03404
Daembkes, H. 04394
.... 09235
Daene, K. 04048
Daga, O.P. 04432
Dagakis, K. 06388
Dahl, P.F. 04156
Dahlberg, R.E. 02184
Dahlgren, D. 05077
Dahms, D.G. 09453
Dahod, A.M. 07836
Dai, H.-Z. 04891
Dai, Y.-D. 01019
Daikoku, K. 01305
Daino, B. 00955
Dake, L.S. 00208
Dakin, T.W. 01771
Dal Mut, G. 06826
Dalder, E.N.C. 04145
Dalgoutte, D.G. 07742
Dall'Oglio, G. 01906
.... 08408
Dallaire, R.D. 08209
.... 08211
Dalle-Molle, R.J. 01938
Dallen, J.A.,Jr. 09278
Dallos, A. 06716
Dalmia, M. 07484
Daly, J.M. 05555
.... 06561
Daly, P. 03651
Damborg, M.J. 04925
.... 04926
Dammann, H. 00880
Damodar, A. 00250
Damsker, D. 00139
Damsker, D.J. 03319
Dan, K. 01856
Dan, P.A. 07556
Danby, G. 04135
Danchi, W.C. 04067
Dandache, A. 05910
Dandekar, N.V. 04395
Danel, F. 03434
Danemar, A. 04898
Dang, A. 03359
Dang, R.L.M. 01225
Dangoisse, D. 00912
.... 07340
.... 07393
Danicki, E.J. 01967
Daniel, D. 09282
Daniele, V.G. 06405
Daniels, H. 04948
Daniels, J.J. 03698

Danielson, B.L. 06123
Danielsson, L. 00986
Danielsson, P.E. 09289
Danileyko, Yu.K. 00998
Danilov, A.E. 06635
Danilov, V.V. 04186
Danino, M. 00030
Dankov, E. 03834
Danninger, G.A. 04143
Danreaux, J. 03833
Danthine, A. 05200
Daoud, M.A.M. 08526
Dapkus, W.D. 06619
Darby, M.L. 00442
Darby, R. 09519
Darcos, J.C. 08938
Darken, L.S. 06881
Darling, B.T. 08007
Darlington, H.T. 06614
Darlington, P.A. 02675
Darlington, S. 08797
Darmenko, Yu.P. 09154
Das Gupta, C. 09092
Das Sarma, A. 06515
Das, B.K. 07266
Das, B.N. 00707
Das, J. 07962
Das, M.B. 00298
.... 01205
Das, N. 06499
Das, R. 08172
Dascalu, D. 07556
Dasgupta, B.B. 02673
.... 03498
Dasgupta, S. 05560
Dasilva, C.M. 03239
Dassault, A.M. 08563
Dassler, A.F. 04605
Datar, R.B. 07145
Datar, S.V. 03727
Datta, A.K. 04389
Datta, G. 03365
Datta, M. 01805
Datta, S. 07494
Datzeff, A.B. 08032
Daugherty, R.H. 04873
Daugman, J.G. 05337
Daum, P. 00574
Dauphinee, T.M. 02272
Dautrich, B.A. 02384
Davarya, F. 00230
Davat, B. 06565
Davenport, N. 04479
Davey, K.R. 05087
.... 05093
Davidek, V. 04472
Davidovitz, M. 06300
Davidson, A. 03874
.... 04130
.... 04235
Davidson, E.E. 03738
Davidson, J.A.M. 06762
Davidson, K.R. 07109
Davidson, S.A. 06492
Davidson, T.L. 02291
Davidson, W.F. 04690
Davies, A.E. 08273
Davies, G.G. 06362
Davies, J.B. 01643
.... 04314
.... 04826
Davies, J.R.M. 05554
Davies, K. 07892
Davies, M.E. 02194
Davies, P. 01317
Davies, P.A. 09343
Davies, R.D. 01251
.... 07069
Davimus, G.D. 06900
Davis, A.F. 09147
Davis, B. 09571
Davis, C.C. 05150
Davis, G.E. 02501
Davis, J.H. 08124
Davis, J.L. 03489
Davis, P. 03440
Davis, P.W. 01855
Davis, R.H. 05407
Davis, R.L. 01893
Davis, R.M. 00478
Davoine, J. 06540
Davoli, F. 09554
Davrou, C. 03833
Davydov, A.A. 01590
Davydov, V.A. 06430
Daw, A.N. 00798

Daw, A.N. 04389
Dawalibi, F. 08274
09101
Dawei, H. 03788
07140
Dawes, M.C. 07038
Dawson, A.W. 04144
Dawson, B.A. 07864
Dawson, D.E. 09237
09302
Dawson, P. 09204
Dawson, R.N. 03303
Day, A.C. 05618
Day, C.R. 07732
Day, G.W. 07744
09376
Day, J.T. 04949
Day, M.J. 09268
Day, W.C. 06118
Dazey, M.H. 04845
De Angelis, L. 02505
De Araujo, A.D. 05017
08561
De Backer, D. 04872
De Bernardis, P. 01906
08408
De Bruyn, A.G. 00272
De Buck, F.G.G. 04872
De Cabrejas, M.L. 00755
De Campos, A.J. 05596
De Castro, E. 09193
De Cillia, H. 01339
De Cillia, H.A. 00898
De Cosmo, V. 01899
De Delara, G.K. 06053
De Dianous, A. 01393
De Figueiredo, R.J.P. 02378
03131
03148
07125
De Fonzo, A.P. 04019
De Groot, J. 06035
De Groot, P. 05046
De Haart, L.G.J. 08957
De Haas, A.P. 07721
De Hoop, A.T. 03207
05340
De Jaeger, J.-C. 01129
De Keersmaecker, R.F. 04443
De Keyser, R.M.C. 05192
De Kock, A.J.R. 04380
De Koning, S.H. 04769
De la Puente, J.A. 02337
De Leo, R. 03235
De Lozanne, A. 04108
De Lucia, F.C. 09031
De Lustrac, A. 04075
De Man, H. 00664
De Man, H.J. 05924
08739
De Marco, N. 05588
De Martinis, U. 08228
De Mello, F.P. 01676
De Mesmaeker, I. 06596
06597
08214
De Micheli, G. 04464
04466
De Moraes, L.F.M. 04786
09595
De Mori, R. 09293
De Mul, F.F.M. 03537
De Poorter, J. 00952
De Priest, D.J. 02182
De Raaf, A.J. 04979
De Ribaupierre, F. 05327
De Ribaupierre, Y. 05327
De Rooij, N.F. 00723
De Sa, J.P.M. 02388
De Salles, A.A.A. 00847
De Sario, M. 01052
02645
05695
De Serio, R. 07341
De Silvestri, S. 07352
De Souza, P. 01478
De Temple, T.A. 07355
07410
De Tourreil, C. 01726
De Vecchis, M. 09330
De Vicq, A. 08278
De Visschere, P. 02500
03918
07264
08877
De Vos, A. 08878
De Vos, G. 05046
De Vries, A.H. 04183
De Vries, A.J. 08957
De Vrieze, H.M. 09385
De Waal, V.J. 02615
04097
05798
De Winter, T.A. 04183
De Zafra, R.L. 00578
De Zutter, D. 04820
De, M. 08664
De, S.S. 08664
Deacon, D.A.G. 00917
Deal, P.L. 02279
Dean, C.A. 04906
Dean, D. 05317
Dean, J.W. 04282
DeAngelis, X. 04526
Deaton, G.A.,Jr. 07839
Deb, S. 02521
03936
Debarge, G. 07380
Debever, O.J. 08358
Debney, B.T. 01217
DeBoo, R.J. 06458
Debsikdar, J.C. 04319
Debuf, D.R. 02745
DeCarlo, D. 08106
DeCarlo, R. 06068
Decastro, J.J.B. 00042
Decesari, R.J. 07045
Dechamplain, A. 01916
Decker, F. 00216
Decker, J.M. 02256
Decker, R.P. 01392
DeClerc, J. 04258
Declerck, G.J. 04498
Deeds, W.E. 03291
Deehr, C.S. 02264
Deen, M.J. 04168
04175
Degauque, P. 06426
Degiacomi, K. 07068
Degrauwe, M.G.R. 08744
08800
Dehmer, J.L. 02531
Dehne, H. 03372
Deighton, M.O. 05952
Deinega, Yu.F. 05084
Deisch, C.W. 02818
DeJackmo, M.L. 06226
Dejenga, C. 05003
DeJong, G. 00441
DeJule, M. 08898
08899
Deka, P.K. 05958
Dektar, C. 06106
Del Bimbo, A. 08939
Del Conte, J. 06453
Del Corso, D. 02307
Del Pistoia, A. 03195
Del Re, E. 07861
07944
Del Vecchio, P. 07448
DeLacy, J.C. 05977
Delahaigue, A. 08438
Delapierre, G. 02004
07503
DeLauder, D.M. 04707
Delayen, J.R. 04324
Delbrouck, L.E.N. 03156
06253
Delclaux, F. 03268
Delgado, D. 02892
Delisle, C. 00853
Delkis, C. 04940
Dell, D. 09450
Dellacasa, G. 05588
Dellin, T.A. 05996
Delnore, V.E. 08649
Delrieu, G. 03724
Delson, M.G. 05011
DeLuca, W. 01803
Dely, Z. 04619
Dem'yanchuk, T.M. 06870
Demaree, K.D. 03389
Demarest, K. 07981
Demchuk, B.N. 08865
Demekhin, A.S. 08610
Dement, D.K. 07798
DeMeo, N.L. 03951
Demerdash, N.A. 01680
08141
09163
Demetriades, S.T. 00167
Demey, J.P. 09330
Demichelis, F. 03931
07281
Demidov, A.V. 08577
Demidova, G.N. 05541
Deming, R. 05532
Demiray, H. 00517
Demitrenko, I.M. 04122
Demmer, W. 01265
Demokan, M.S. 02587
Demoment, G. 08206
DeNardo, G.L. 02137
Denergy, D.G. 06958
Dening, D.C. 02164
Denis, F. 02029
Denis, M. 00881
Denis, P. 04280
Denisov, G.G. 01066
Denisov, S.P. 05081
Dennard, R.H. 09231
Denneman, J.W. 04296
Deno, D.W. 01741
08443
Densem, T.J. 01037
03308
Dent, C.A. 06340
Deo, N. 01047
Deo, P. 07208
Depannemaecker, J.C. 07393
DePaula, R.P. 07756
Depauw, P. 02499
Depenbrock, M. 05808
Depueva, N.Kh. 03053
DePuy, C. 01506
DePuy, C.W. 09170
Derenzo, S.E. 05601
Derin, H. 05658
Derkach, V.N. 06477
Derksen, R.H. 09282
Deryabin, V.M. 08833
Derzhiev, V.I. 08057
Desai, K. 01760
Desantes, J.M. 02337
Desch, M.D. 00583
Deschamps, G.A. 06431
Deshmukh, L.P. 03335
Deskevich, J. 06959
Deslancs, C. 00014
Despault, G.J.G. 03352
Desponds, J. 00719
Despujols, J. 00730
Dessouky, K. 08818
Destannes, L. 02004
Detch, J.L. 05163
Detinko, V.N. 03836
Detoma, E. 02000
DeTreville, J. 07842
Detry, J.F. 02849
Deubert, R. 02958
Deutsch, U. 04112
Deutscher, G. 01026
04089
Devaney, A.J. 03701
Devenyi, T.F. 02853
DeVito, B. 04135
Devotta, J.B.X. 00590
Devreese, J.T. 01118
DeVries, E.A. 00398
Dewey, R.J. 08121
Dewhurst, R.J. 00386
Dewilde, P. 08758
DeWinter, J.C. 09370
Dewitt, B.A. 02233
Dexter, K. 00816
Dey, A.N. 05483
DeYoung, H. 00515
Deyst, J.J.,Jr. 03623
Dezutter, D. 08120
Dham, V.K. 04453
04510
Dharanipragada, B.V. 06380
Dhariwal, S.R. 02514
05655
Dhas, C.R. 03167
Dhawan, S.K. 05165
Dhillon, B.S. 03405
03731
Dhiman, N.K. 00207
Dhong, S.H. 04064
05806
Di Fiore, P.P. 03682
Di Lonardo, G. 08434
Di Maio, B. 08859
Di Napoli, A. 01086
01682
06818
Di Pillo, G. 08515
Di Stefano, M. 0371
Di Stefano, S. 0665
Di Vita, A. 0656
Di Vita, P. 0135
0135
0802
Dialetis, D. 0809
Diamond, V.M. 0114
Dias, L.A.V. 0054
Dias, L.E.N. 0670
Diaz Velilla, C. 0882
Diaz, O.G. 0591
Dib, A. 0244
Dibbern, U. 0433
Dicasali, R.L. 0693
Dick, G.J. 0405
0432
Dick, J.M. 0773
Dick, W.K. 0329
Dickens, L.E. 0923
Dickinson, E.J. 0327
Dickinson, R.J. 0700
Didenko, A.N. 0400
Diehl, S.E. 0122
0600
Diels, J.-C. 0740
Dierks, R.D. 0262
Diestel, H. 0807
Dietel, W. 0740
Dietrich, D. 0192
Dietrich, H.B. 0808
Dietrich, M. 0409
Dietrich, R. 0894
Dietschi, R. 0465
Difazio, R. 0956
Dilorio, M.S. 0410
Dijak, J.T. 0385
0880
Dikerman, D.N. 0391
Dil'kin, V.M. 0305
Dil'kin, Vs.M. 0305
Dill, M.W. 0812
Dillmann, R. 0041
Dillon, S. 0446
Dillon, T.S. 0339
Dimaki, V.A. 0194
DiManno, J. 0652
Dimarcello, F.V. 0938
Dimitriadis, B.D. 0293
Dimitrijev, S. 0125
Dimitrov, T.V. 0908
Dincer, M.S. 0907
Dineley, J.L. 0007
Dinescu, M. 0094
Ding, L. 0080
Ding, Y.Y. 0950
Dinger, R.J. 0646
Dingle, R. 0121
Dinguirad, M. 0703
Diniz, P.S.R. 0378
0718
0875
Dinter, H.A. 0403
Dios, R. 0500
Director, S.W. 0607
Dirkse van Schalkwyk, J.J. 0479
Diserens, N.J. 0722
Dishon, M. 0053
Dittmar, G. 0190
Divan, D.M. 0660
Divekar, D.A. 0594
0603
Divin, Yu.Ya. 0412
Divrik, A.M. 0534
Divsalar, D. 0796
Dix, J. 0871
0945
Dixon, D.E. 0694
Dixon, N.R. 0308
Dixon, P. 0038
Dixon, R.C. 0624
Dixon, S.,Jr. 0645
Dixon, T.H. 0056
Djulgerova, R. 0581
Djuric, Z. 0249
Djurich, B.M. 0717
Dmitriev, A.S. 0642
Dmitrieva, L.A. 0730
Doane, J.L. 0748
Dobbs, C.S. 0120
Dobiasch, P. 0573
Dobkin, S.V. 0846
Doblhofer, K. 0021
Dobos, K. 0921
Dobrovinskii, I.E. 0837
Dobrovol'skii, I.O. 0330

brovol'skis, Z. 05072
ctor, P.G. 08412
dd, C.V. 03291
dd, G.C. 02606
dds, S.J. 08602
dds, T.H. 03295
del, G. 00765
del, H. 03069
dge, T. 05700
06125
dington, S.H. 04696
dson, W.H. 04476
oehler, G. 03466
03477
08489
oemens, G. 02871
08411
oerfel, G. 01988
oering, H. 07948
oerr, A.R.J. 00410
ogers, J.D. 04289
oggett, L.E. 03092
oi, A. 01738
06618
oi, H. 06594
oi, S. 06553
08175
okos, D. 04444
05947
05953
okuchaev, Yu.M. 08275
olan, G.J. 00845
olan, R. 02226
olansky, J. 08431
olberg, C.E. 00498
olezal, F. 00934
olgov-Savel'ev, G.G. 07347
olinar, B.J. 08894
olinin, F.I. 05576
oll, A. 09356
olmazon, J.M. 02157
olocan, V. 00797
olomanov, V.G. 06314
olson, M.B. 01479
omashevskii, B.N. 08458
ombre, E. 08563
ombrowski, M. 03240
ominguez, D.D. 06579
ominioni, A.C. 00105
onahoe, T.S. 08843
onaldson, G.W. 04276
onaldson, R.R. 03991
onati, S. 04543
onazzi, F. 06793
ondi, P.H. 03380
onegan, M.E. 08685
onelan, M.A. 02269
onelon, J.J. 00306
ong, C.-Y. 08738
ong, T.-Q. 07420
ong, W.R. 08108
onguy, P.J. 04878
onin, A.S. 03458
onivan, L.J. 06876
onnelly, J.P. 03951
onohoe, K. 03948
onolato, C. 04388
onze, R.L. 02824
ooley, D.A. 02141
ooley, J.G. 05980
ooley, P.K. 04931
ooner, M. 08566
oost-Hoseini, A. 06994
oradla, S.R. 02453
oraiswami, R. 06512
oraiswamy, P.C. 03690
oran, N.J. 04556
06146
orey, A.P. 02629
orfman, L.J. 09536
oria, D. 05323
orney, S. 01824
orng, J.-C. 00603
oronkin, E.F. 02907
oroshchuk, O.N. 08609
oroshenko, V.G. 00213
orovskii, V.N. 08323
orrer, E. 02254
orsey, J. 00086
ortok, B. 03027
oss, E.D. 00158
00163
oss, J.D. 01948
ossantos, J.R. 00542
ostert, K. 02620
ote, T. 00970

Doudna, J.H. 08219
Dougal, R.A. 00925
Dougherty, J.W. 01709
Dougherty, T.J. 00507
Douglas, N.G. 04835
06467
Doupnik, J.R. 07040
Douros, B.P. 03760
Doutt, J.R. 04590
Douville, Y. 02152
Dovgun, V.P. 03837
Dovletov, K. 06884
Dowdy, E.J. 05157
Dowell, R.I. 05945
Dowerah, S. 04805
Downey, J. 02221
Downing, R.G. 01820
Doyle, F.J. 02220
Doyle, J.H. 05693
Dragoo, A.L. 00039
Draheim, P. 01265
Drake, J. 00577
Drake, M.P. 05578
Drake, R.E. 04060
04218
04219
Drakos, J.E. 00126
Dransfeld, K. 03222
Draper, G. 08895
Drasnov, G.V. 00998
Drazyk, H. 05959
Dreher, W. 00083
Dremin, A.N. 08467
Dresner, L. 04246
04253
Dresselhaus, M.S. 01013
Dressler, M. 06354
Drinan, J.D. 03124
Driscoll, J.R. 03328
Drobachenko, O.V. 08060
Drobny, V.F. 07551
Drobot, A.T. 07342
Drobot, Yu.B. 00343
00348
Drotman, B. 02785
Drouet, M.G. 01640
01782
Druffel, L.E. 02117
Drugge, B. 02548
Drummond, R.C. 08590
Drummond, T.J. 04428
05577
08855
09244
Drunov, V.A. 07227
Dryapochko, Yu.V. 01984
Drye, J.E. 02819
Drynkin, V.I. 08325
Dshkhunyan, V.L. 04761
Du, J. 03444
Duane, M. 04440
Dubey, G.K. 01751
06568
08167
Dubinskii, A.A. 03152
Dubois, D. 05446
Dubovitskii, V.A. 08516
DuBow, J. 00315
Dubrau, H.-J. 00301
Ducasse, A. 09020
Ducey, R.V. 01313
Ducey, R.V.,Jr. 06219
Duchateau, J.L. 04280
Dudakov, N.N. 03494
Dudarev, M.S. 05820
Dudderar, T.D. 06085
Dudkin, A.Yu. 06788
Dudley, W.A. 07531
Due-Gundersen, G. 02702
Dueholm, B. 04180
Duenki, M. 04752
Duersteler, A. 08181
Duey, W.E. 06088
Duff, D.G. 07700
Duffin, R.J. 06808
Duffy, D.G. 08677
Duffy, M.J. 04825
DuFort, E.C. 06488
Dugan, J.M. 09382
Dugan, R.C. 01721
Dugger, G.L. 00227
Duggin, M.J. 02227
05363
08657
Duh, K.H. 07607
07610

Duhr, R. 07184
08772
Duke, D.A. 01342
07764
Duke, E.L. 05261
Dukhovich, L.J. 01599
Dumania, P. 01278
Dumanis-Modan, A. 00461
Dumbs, A. 08558
Dumitrica, A. 07773
09337
Dumitru, M.A. 09007
Dumlugoel, D. 05924
Dunbar, W.G. 04906
Duncan, C.C. 00518
Duncan, W.D. 08404
Dundore, D.M. 07058
Dunham, J.B. 01395
Dunham, J.G. 03179
Dunin-Barkovskii, I.I. 00244
Dunin-Barkovskii, I.V. 00244
Dunkleberger, L.N. 04215
Dunlap, H.L. 01161
Dunn, A. 07638
Dunn, B. 06722
Dunn, F. 00346
Dunn, M.H. 00920
01625
Dunn, S.T. 02611
Dunskaya, N.V. 03595
Duomarco, J.L. 03933
Dupas, L. 06752
Dupertuis, M. 07365
Dupeyrat, B. 08565
Dupouyet, J.-P. 03719
Dupuis, P. 03057
Durand, S. 00197
Durden, S.L. 09500
Duret, D. 04172
Durkee, P.A. 07061
Durkin, J. 06854
07077
09306
Durr, A.C. 02069
Durrani, S.A. 03661
Durst, T. 03371
Durwen, E.J. 09019
Dushenkov, S.D. 02545
Dusio, E.W. 02893
Dussault, L. 04747
Dustmann, C.-H. 04099
Dutra, L.V. 07025
Dutta, J.M. 03487
Dutta, N.K. 04011
07374
07375
09024
Dutton, R.W. 02817
04511
05914
05943
06000
07623
Duttweiler, D.L. 03146
Duval, M. 05856
Duval, P.E. 00240
Duvall, K.M. 08098
Duvvury, C. 04440
Duzy, C. 05766
Dvore, D. 09078
Dvorovkin, V.E. 03988
Dwinger, K. 03016
Dwir, B. 04089
Dwivedi, R. 02688
Dwyer, T.J. 08058
Dy Liacco, T.E. 03313
Dyad'kin, A.P. 08969
Dyakin, V.V. 05820
Dyck, A.V. 03698
Dyer, C.K. 06651
Dyer, C.R. 04335
Dym, H. 08758
Dymek, V.S.W. 01741
Dynnikova, G.Ya. 07399
Dyshko, A.L. 00015
Dyshlevoi, Yu.I. 00363
Dyumayev, M.M. 00998
Dyumin, A.N. 05061
Dzardanov, P.A. 00703
Dzhanelidze, R.B. 02780
Dzhangozin, A.D. 03870
Dzheriki, G.K. 05834
Dzhunov, V.A. 06774
Dziadowiec, A. 09548
Dziubakowski, D.J. 04776
Dziura, T.G. 00953

Eades, W.D. 00732
05612
Eadie, A.S. 00513
Eagar, T.W. 01011
Eager, G.S.,Jr. 08849
Eargle, J. 03073
Earl, M.W. 08310
Earls, M.R. 00487
Earman, A.M. 01499
Earnshaw, M.C. 06216
East, J.R. 04375
Eastham, A.R. 00618
Eastham, J.F. 06756
Eastman, L.F. 01181
04395
Eastman, W.L. 06935
Easton, R.L. 05300
Eatanabe, I. 01516
Eaton, R. 00101
06579
Eaves, R.E. 06180
Eberlein, D. 08945
Ebert, G. 01470
Ebert, I.G. 09443
Ebihara, Y. 09573
Ebisawa, Y. 01087
Ebisutani, K. 08424
Eccleston, D.J. 07738
Eccleston, W. 01223
Echave, V. 04948
05854
Eckels, P.W. 04277
Eckert, A. 06154
Eckert, R. 09401
Eddy, F.N. 07864
Eden, J.G. 00950
05768
Eden, M.J. 07027
Eden, R.C. 02834
Edgcombe, C.J. 06473
Ediger, M.N. 00950
Edighoffer, J.A. 00933
Edison, T.A. 08221
Edmond, W. 07791
Edmonson, P.J. 09322
Edson, W.A. 01533
Edwards, D.L. 00546
Edwards, D.R. 06064
Edwards, R.L. 08686
Edwards, R.V. 01008
Efferson, K. 04241
Efimov, E.P. 08865
Efimov, I.A. 05152
Efimov, L.G. 06895
Efimovskii, S.V. 08969
Efron, U. 07297
07300
Efthimion, P.C. 00937
Eftimiu, C. 08105
Egan, B. 01090
Egan, M. 01294
02914
Egardt, B. 03820
Egawa, T. 09600
Egbert, R.I. 08559
Egeland, A. 02264
Eger, D. 02684
Eggermont, L.D.J. 07853
Eggermont, P.P.B. 03668
Eggers, D.F. 05049
Eggers, M.D. 06348
Eggleston, F.C. 04553
06149
Eggleston, J.M. 05752
Egorov, M.B. 06415
Egorychev, L.N. 07455
Egorychev, N.M. 02657
Eguchi, O. 00766
Ehara, M. 03287
Ehara, Y. 03569
Ehrbar, R.D. 01451
Ehrenberg, J.E. 03118
Ehrenfreund, E. 02550
Ehrenfried, A.D. 08666
Ehrenreich, H. 08872
Ehrenstrom, W.A. 00464
Ehrlich, D.J. 04044
09050
Ehrlich, N. 01444
Ehsani, M. 03878
Eich, E.D. 01740
Eickel, K.-H. 08496
Eidel'nant, M.P. 05844
Einarsson, G. 09580

Eis, R.O. 03303
Eisele, I. 09247
Eiselt, G. 02360
Eisen, A. 02154
Eisen, F. 05532
Eisenger, M. 06232
Eisenhauer, C.M. 00380
Eisenhut, D.G. 04982
Eising, R. 03804
Eissler, W. 07695
Ekanayake, N. 07987
09563
Ekeloef, J. 09155
Ekholm, D.T. 05861
Ekimov, A.V. 08844
Ekstedt, T.W. 09250
Ekstrand, B. 05470
Ekstron, P.A. 01686
Ektare, A.B. 07167
Ekwue, A.O. 08259
El-Bolok, H.M. 06539
El-Bouchairi, B. 04386
El-Guibaly, F. 00803
El-Hawary, M.E. 01778
El-Kaddah, N. 00705
El-Kady, M.A. 00238
01035
06570
El-Kassas, I.A. 02209
El-Kib, A.A. 01743
El-Manaa, S. 02134
El-Masry, E.I. 07172
08786
El-Muradi, M.M. 07602
El-Naga, M.A. 07182
El-Nokali, M.A. 09196
El-Rakaiby, M.M. 02209
El-Sadek, M. 08217
El-Sattar, A.A. 07182
El-Sayed, T.M. 05737
El-Serafi, A.M. 03290
06558
El-Sheikhi, F.A. 06556
El-Sherbini, A.H.M. 08470
El-Sherief, H. 03572
05023
El-Taib Heakal, F. 00175
Elcherif, Y.S. 06066
06067
Elci, A. 08973
Elcombe, M.M. 01893
Eldighidy, S.M. 01828
Eldred, C.H. 08613
Eldredge, D. 00478
Eldridge, G.W. 09294
Elfstadius, K.-H. 03381
Elfsten, B. 07542
Elgered, G. 01632
08011
Elgin, J.B. 00485
Elhakeem, A.K. 07977
Elia, M. 07800
07821
Eliason, E.M. 02213
Elkin, A.I. 08282
Elkin, G.A. 08428
Elkman, W.R. 02110
Ellersick, F.W. 02887
Elliott, C.J. 00924
Elliott, C.T. 08409
Elliott, D. 06192
Elliott, H. 05658
Elliott, R.S. 05827
Elliott, T.R. 09481
Ellis, A.B. 03954
Ellis, G.M. 04463
Ellis, M.L. 06124
Ellis, R.F. 06644
Elman, B.S. 01013
Elmore, D. 00304
Elrefaie, A.F. 01580
Elsaesser, T. 09023
Elson, B.M. 00491
06953
06979
Elton, M.C.J. 04613
Eltoukhy, A.A. 02731
04400
Elvidge, J. 05374
Elze, G. 09349
Emanuel, A.E. 01466
01780
01781
06562
09099
Emel'yanenko, V.A. 04761
Emerald, R.L. 02989
Emery, K.A. 03932
07278
Emiliani, P.L. 04694
Emma, P.G. 08721
Emson, C.R.I. 06754
Emura, M. 01919
07193
Endo, A. 08061
Endo, M. 03338
Endo, N. 02535
Endo, S. 01635
Endo, T. 01556
Endress, H. 02482
Enevoldson, E.K. 05261
Eng, S.T. 00989
Enge, P.K. 04777
Engel, F. 06718
Engel, O.P. 07565
Engelhardt, J.S. 00113
Engelland, J.D. 08586
Engelmaier, W. 07672
Enger, R.C. 07439
Engl, W.L. 02750
03896
Engler, E.M. 01012
English, E.K. 08003
Engman, T. 03690
Engmann, G. 08223
Enke, C.G. 02490
Ennis, G. 04639
Ennis, G.E. 03587
Enomoto, S. 03474
Enomoto, T. 05995
06003
09279
Enpuku, K. 04162
Enriquez, R.P. 01811
Ensman, R.E. 00737
Enyo, M. 03905
Eom, H.J. 04808
04815
08019
Epele, L.N. 09095
Ephremides, A. 04523
07685
Epis, J.J. 06505
Epler, J.E. 07360
Epple, R.G.E. 02090
Epstein, E. 08193
Epworth, R.E. 04558
Er, M.H. 06489
Ercoli, C. 03235
Erdelyi, L. 05748
05780
Erdman, P.W. 03729
Erdman, W.L. 03286
Erdreich, J. 05106
Eremia, M. 06577
Eremina, A.A. 07220
Erez, M.T. 02254
Ergas, H. 06091
Ericsson, S. 07963
Erlich, J.N. 09003
Ermakov, A.V. 07087
Ermishev, A.I. 07093
Ermolaev, V.T. 06484
06496
Ermolov, I.N. 00261
01974
06852
Ermolovich, E.S. 07211
Erne, S.N. 04110
04236
Ernest, J. 00939
Ernst, R. 00694
Ersoy, Y. 00293
Ertl, B. 01455
Erukhimov, L.M. 00028
06444
Esaki, M. 03085
Esashi, M. 08627
Esat, I.I. 09327
Escalante, E. 07847
Escudie, B. 07911
Esdaile, R.J. 05825
Eselev, M.B. 05537
Eshgh, A. 03000
Eslambolchi, H. 07880
Esmeraldo, P.C.V. 06707
Espenskii, B.A. 03232
Espinosa, I.E. 05324
Espy, C.Y. 03141
Estabrook, N.B. 07881
Estes, G.P. 05157
Estin, A.J. 01666
Estrada-Vazquez, H. 02686
Estreich, D.B. 01145
Estrin, J. 05413
Etchells, R.D. 04449
Ethridge, J. 09336
Eu, V.K. 04408
05984
Eudy, C.L. 03023
Eun, S. 06096
Eustis, R.H. 04968
08288
Eutin, W. 09349
Evanczuk, S. 05324
Evangelisti, C.J. 00858
Evans, A. 00576
Evans, C. 00758
Evans, C.J. 07403
Evans, E.H. 08410
Evans, R.J. 01661
Eventoff, A.T. 01518
Everett, L.J. 06910
Everett, S.J. 01533
Evetts, J.E. 04104
Evgrafov, G.N. 06871
Evsyukov, N.A. 05842
Ewald, J.L. 09339
Ewbank, M.D. 02550
Ewe, H. 06648
06649
Ewer, M.H. 01705
Ewing, G.D. 04393
Ewing, R.I. 00452
Ewy, K.A. 04932
Eyles, J.G. 02158
07011
Eyssa, Y.M. 04147
04281
Eyth, J.,Jr. 08591
Ezra, C.E. 07032
Ezrin, M. 08204
Ezz Ahmed, M. 06677

Fabbri, F. 09309
Fabry, A. 00741
Fabyan, J. 06639
Facey, T.A. 00879
Faehl, R.J. 00053
Faetti, S. 03868
Fagan, W.F. 05780
Fagel, W.P.F. 04687
Fager, J.E. 08507
Fahidy, T.Z. 08309
Fahmy, M.M. 03140
03776
08736
Fahrenbruch, A.L. 06662
08884
Fahs, A.A. 02342
Faintich, M.B. 00533
Fair, J.A. 02861
Fair, R.B. 09206
Fairman, F.W. 05460
Fakheri, A.J. 01775
Fakruddin, D.B. 03314
Fal'Kevich, S.A. 09083
Falciasecca, G. 09547
Falco, C.M. 07445
Falcone, N.L. 02215
Fales, C.L. 00892
08940
Falin, G.I. 09469
Falk, G. 07791
Falling, S. 07774
Fallon, D.J. 06569
Fallon, J. 05390
Fam, A.T. 08747
Fan, C.-L. 01049
Fan, C.C. 08871
Fan, F.-R.F. 00182
Fan, J.C.C. 02507
07603
Fan, X.-S. 07406
Fan, Y.-N. 00311
Fanchiotti, H. 09095
Fang, A.C. 02210
Fang, C.-W. 03915
Fang, D.Y. 09070
Fang, G.S. 04650
Fang, P.H. 07284
Fang, R.C.-Y. 09241
Fang, S. 04403
Fang, S.C. 05493
05496
05580
Fang, Y.K. 05930
Fank, B. 055
Fantacci, R. 062
Fante, R.L. 048
Fantes, J.A. 021
Fantini, F. 036
038
044
052
092
Fantini, P. 013
077
Farafonov, V.G. 048
080
Farber, K. 013
Fardanesh, B. 049
Farghal, S.A. 067
Farghally, M. 017
Farhat, N.H. 073
Faricelli, J.V. 027
Farina, A. 031
Faris, S.M. 040
041
Farmer, J.W. 011
Farmer, R.G. 049
Farnsworth, D.P. 028
Faro, A. 020
061
Farr, J.P.G. 051
Farrall, G.A. 074
Farrar, H.,IV 007
007
Farrell, J.P. 039
Farrell, K. 003
Farrill, T.G. 036
Farris, D.R. 017
Farris, G. 012
Faruqui, M.N. 015
015
Fashano, M. 078
Fashuk, P.N. 067
Fassois, S.D. 069
Fast, R. 041
Fastrup, B. 083
Fatemi, M. 036
Fathipour, M. 012
Fathizadeh, M. 066
Fauchet, A.M. 007
Faulcon, N.D. 039
Faulkner, J. 026
Faulkner, M.G. 024
Fauquembergue, R. 059
Faust, H. 029
Fauster, T. 003
Favella, L. 016
053
Favero, L. 056
Favre, M. 007
Faw, R.E. 003
Fawcette, J. 045
Fawzi, T.H. 067
Faxer, M. 082
Fay, D. 035
Fay, J.A. 049
049
Fazylzyanov, R.Kh. 056
Feazel, M. 069
Feczko, I. 062
Federov, I.A. 057
Fedorenko, A.I. 0643
Fedorenko, G.M. 0745
Fedorishcheva, E.E. 0752
Fedorko, P. 0514
Fedorov, A.S. 0761
Fedorov, S.A. 0264
Fedorov, V.F. 0740
Fedorov, V.M. 0690
Fedosenko, Yu.K. 0265
Fedotov, M.T. 0325
Feero, W.E. 0828
Fegan, G.R. 0823
Fegeas, R.G. 0223
Feggeler, J.C. 0947
Feher, K. 0638
Feher, K.O. 0141
Fehlau, P.E. 0516
Feinberg, J. 0732
Feith, B. 0558
Feitsma, R.I.J. 0052
Feizulin, Z.I. 0645
Felch, K.L. 0105
Feldman, M.J. 0387
Feldman, R. 0298
Feliachi, A. 0330
0834
Feliachi, M. 0654
Felker, B. 0663

ller, D.W. 06667
llman, R.D. 01281
ltes, J.W. 01865
lton, F.E. 07239
lton, L.E. 02467
08178
lton, M. 02299
lts, L.D. 00811
ndrikov, A.I. 02446
ng, M. 04408
05984
ng, T.-Y. 06203
ng, Z.X. 04153
04182
nk, J. 02973
nnel, J.W.,Jr. 06198
nske, F. 02763
ntress, V.A. 07697
rcher, A.F. 09391
rendeci, A.M. 04285
rguson, J.A. 08660
rguson, R.L. 09522
rguson, R.S. 01184
05929
rnandes, H.C.C. 03244
rnandes, P. 04138
06796
rnandes, R.L.A. 08371
rnandez Escartin, V. 08826
rnandez, F.A. 04826
rnando, J.S. 04302
rnholz, G. 01199
rrando, W. 08300
rrante, G.A. 03951
rrara, E.R.,Jr. 04841
rrara, G. 03682
rrario, A. 03483
rraro, A. 05656
rreira, E. 08295
rreira, H. 07519
rrie, J.S. 01739
rrier, J.L. 00014
rrigno, A. 04110
04236
rry, D.K. 01116
01191
01221
09281
ser, K. 01786
ssenden, P. 07000
st, D. 08821
sta, C. 03419
tisov, V.S. 01984
tterman, H.R. 08399
ttweis, A. 07126
uer, M.D. 01219
uerbaum, H.P. 03513
uerstein, A. 05870
vrier, A. 04280
yder, G. 00021
acco, V.M. 02797
alkow, A.D. 07119
chtner, W. 04363
04364
cke, D.C. 05304
ckler, R.A. 08311
ebig, J. 03421
edler, R. 02902
eld, J.A. 04579
elds, J.,Jr. 04455
elds, J.A. 09266
esenig, K. 00082
koris, J.G. 05889
kri, M. 00642
aretova, G.M. 07546
07555
ice, P. 04639
ip, A.E. 03124
ippelli, L.J. 06302
ippi, C.A. 07980
ippov, B.A. 01079
ippov, N.M. 02586
09141
ippovich, A.N. 01951
ippychev, S.A. 06897
ipski, P. 08415
ndakly, T. 07754
ndlay, R.D. 07225
ndler, N.V. 00612
ne, M. 04667
negan, S.N. 05978
netti, M. 00782
ni, A. 04921
nk, H. 01570
nk, J.L. 07847
nk, M.A. 08486

Fink, R. 06704
Finkel, E.E. 03911
03912
Finkel, V.M. 03423
Finley, M.R.,Jr. 09363
Finman, L.C. 05313
Finman, P.F. 00928
05062
Finnegan, T.F. 04110
Finnemore, D.K. 04100
Fiol, M.A. 05398
Fioravante, J. 03047
Firdman, M.G. 01249
Firedman, S. 06152
Firester, A.H. 01766
Fischer, A.G. 02775
Fischer, B. 03298
Fischer, F. 07175
Fischer, F.E. 08849
Fischer, H.D. 03411
Fischer, M.J. 03123
07841
Fischer, R. 05577
05983
07609
Fischer, R.J. 08855
09244
Fischer, T.R. 06909
Fischetti, M.A. 03386
04506
04980
04983
04985
05625
Fischl, R. 06704
08331
Fisenko, A.N. 01846
Fiser, O. 08039
Fishbein, J. 01864
Fishbourne, C.A. 00860
Fisher, B.D. 02279
Fisher, C. 05633
Fisher, D.E. 04657
Fisher, D.G. 05195
Fisher, P.D. 03829
Fisher, R.D. 05871
05878
Fisher, R.L. 00872
Fishman, D.A. 01357
Fisk, H.E. 04255
Fisli, T.S. 02605
Fitch, R. 00610
Fitchew, K.D. 01368
Fitzgerald, R.M. 00313
Fitzgerrell, R.G. 06497
Fitzpatrick, D.T. 06011
Fitzpatrick, M.J. 01436
Fitzwater, M. 00016
00317
01603
Fitzwater, M.A. 08654
Fix, J.J. 05585
Flaksman, A.G. 06496
Flamand, J. 02643
Flamant, G. 01830
Flamm, L.E. 04640
Flanagan, B. 08716
Flanders, P.J. 07515
Flandrin, P. 07911
Flandrois, S. 00172
Flannery, W.E. 04079
Flasche, U. 01411
Flasck, R.A. 07590
Flatte, S.M. 02275
Fleischmann, M. 08314
08315
Fleming, D.K. 08294
Fleming, J.F. 09087
Fleming, R.J. 01705
05019
Flesher, G. 07329
Fletcher, B. 06176
Fletcher, C. 02995
Fletcher, D.L. 08239
Fletcher, R. 07183
Flick, C. 04277
Floch, G. 03721
Flood, D. 07083
Flores, C. 00786
06376
Flores, J.C. 04890
Flores, L.N. 07311
Florisson, O. 03537
Flory, J. 08238
Flower, D.A. 02186
02278

Flowers, P.R. 06247
Floyd, K.D. 06606
Flury, B. 02237
Flyagin, V.A. 00044
Flynn, D.S. 06874
Flynn, F.J.,Jr. 03311
Flynn, J.A. 07685
Foad, E.E. 00183
Focht, M.W. 07375
Foggia, A. 06807
Fogle, J. 05507
Fogle, W.E. 00253
Foglietti, V. 04109
Foil, J.T. 04684
Foisel, H. 09349
Foldes, A. 03300
03301
Foley, M. 07520
Follett, D.J. 02364
Foner, S. 04237
Fong-Tom, R.A. 05917
Fong, Y.-S. 03967
Fong, Z.S. 08981
Fonseca, J.R. 06707
Fonseca, S.B. 04848
Fonstad, C.G. 05920
05936
Fonstad, C.G.,Jr. 00956
Fontaine, A.B. 05318
Fontaine, J.J. 07408
Fonthieim, E.G. 00003
Fonti, S. 01899
Foos, J.S. 08299
Foote, H.P. 02225
Footner, P.K. 05900
Ford, G.E. 07113
Ford, G.L. 00238
Ford, J.E. 02288
Ford, M.R. 02870
Ford, R. 01176
Forde, M.C. 05071
Forder, P.W. 06841
Foreman, B.J. 07598
Forghani, B. 06805
Forgie, J.W. 07845
Fork, R.L. 00992
Formaggio, A.R. 00542
Forman, A.V.,Jr. 01552
Fornaca, S. 00933
Fornari, R. 02720
Fornetti, G. 00982
Forni, F. 08434
Forouhar, S. 05824
07489
09119
Forrest, S.R. 02493
05602
09370
Forsey, R.J. 04607
Forshaw, M.R.B. 00540
Forssen, B.H. 06851
Forster, P.K. 03023
Forsyth, E.B. 01746
04262
06678
Fortin, J. 01922
08360
Fortmann, C. 06662
Fortunato, G. 07550
Forward, R.L. 05776
Foschi, P.G. 02235
Fosnight, R.M. 06975
Fosnight, V.V. 06975
Foss, R.C. 05942
Fossi, M. 09514
Fossum, E.R. 09232
Fossum, J.G. 01189
01232
02741
02773
07580
09208
Foster, F.S. 01992
Foster, J.. 07951
Foster, J.C. 07040
Foster, K.R. 07014
Fouad, A.A. 08264
Fouad, F.A. 01680
08141
Fouda, A.E. 03352
Fouletier, J. 00361
Fourikis, N. 02910
Fournet, G. 02469
Fournier, D. 00854
Fourrier, M. 05771
Fouser, J.P. 04994

Fox, L.R. 02869
Fox, M. 01343
Fox, R.A. 05586
Fox, T.H. 03309
Foyster, G. 02409
Fraade, D.J. 03581
Fradkin, B.M. 00322
Fradkov, A.I. 00599
Fragnito, H.L. 07414
Fraikorn, B. 02968
Francalacci, R. 07414
Franceschetti, G. 04855
Franchi, L. 01854
Francia, P. 03703
Francini, F. 07437
Francis, C.R. 04536
Francis, E.J. 00227
Francis, G.L. 06642
Francis, J. 06102
Francis, J.E.,Jr. 02991
Francis, R. 07002
Franck, J.B. 08949
Frank, D.J. 01025
Frank, G.A. 08851
Frank, R.L. 03087
Franke, D. 09239
Frankel, M.S. 08624
Franken, H. 07012
Franken, W.M.P. 04183
Frankland, P.B. 06709
Franquelo, L.G. 07149
Fransson, J. 05715
Franta, W.R. 07930
Frantsuzov, A.A. 02472
06885
Frantz, T. 08357
Franzen, D.L. 06123
07768
Fraser, A.G. 04638
Fraser, J.R. 06803
06804
Fraser, R.S. 03437
Fratamico, J.J.,Jr. 03171
Fratta, L. 04632
09556
Fraunie, P. 03268
Fraysse, G. 03704
Frazier, G. 02569
Frazier, J.W. 02874
Frazier, W.E. 01602
04801
Frederick, B.A. 04504
Frederikse, H.P.R. 00039
Fredricks, R.W. 00490
Freedman, D.H. 01851
Freedman, R.A. 00996
Freeman, E.J. 02600
Freese, J.M. 01804
03367
Freese, R.P. 01507
Freibergs, E. 08067
Freilich, M. 08673
Freilikher, V.D. 06418
06439
Freire, E. 07149
French, D.H. 04561
French, J.E. 05867
French, P.J. 02629
Freund, H.P. 00932
00937
Frey, A.H. 09038
Frey, F. 08214
Frey, J. 02746
Freyhardt, H.C. 04197
Freyre, F.W. 00812
Freysz, E. 09020
Freytag, L. 04107
Fricke, J.R. 00556
Fridman, J.D. 01380
Fridman, L.A. 01083
03497
07525
Friedel, P. 01133
Friedenthal, E. 05305
Friedland, B. 02082
Friedland, L. 00935
07351
Friedland, S.S. 01003
Friedlander, B. 03793
07115
09562
Friedman, D. 07879
Friedman, D.H. 03138
Friedman, E.H. 02038
Friedman, S. 02680
02920

Friedman, S. 03065
03732
06151
07098
Friedman, V. . 09219
Friedrich, H. 02061
Friesem, A.A. 01345
Frigyes, I. 06112
06113
Frisson, L. 07271
Fritts, D.H. 08335
Friz, W. 03466
03477
Froelich, R.K. 00048
05904
Frolkin, V.T. 02414
Frolkov, O.A. 07615
Frolov, V.L. 00028
Frolov, V.M. 02448
Fromm, E. 07497
Froncisz, W. 03243
Frosch, R.A. 00431
03655
Frost, H.M. 00329
Frost, V.S. 04718
06288
06293
07823
Frost, W. 09034
Fruchtman, A. 00929
00935
07351
Frunza, S. 02533
Frutiger, W.A. 03462
Fryszczyn, B. 08849
Fu, D.-M. 08094
Fu, J.S. 05956
Fu, K.-S. 07039
Fu, K.S. 00557
Fu, L.S. 03528
Fu, S. 03843
Fu, X.-D. 01163
Fuchs, H. 01125
Fuchs, H.-J. 00418
Fudeh, H.R. 00065
00066
00067
Fudemoto, I. 09574
Fuemayor, F.J. 02337
Fuezi, V. 07945
Fuhs, A.E. 08599
Fuja, R.E. 03878
Fujibayashi, K. 06525
Fujieda, H. 02624
Fujii, F. 06037
Fujii, H. 09379
Fujii, M. 01895
03085
Fujii, S. 04483
Fujii, T. 00769
01689
04482
Fujikake, T. 01962
Fujimaki, N. 04083
Fujimoto, K. 02496
05005
Fujimoto, N. 01754
06588
Fujimoto, R. 07411
Fujimoto, R.J. 05271
Fujimoto, Y. 07030
Fujimura, T. 03533
Fujine, N. 01362
Fujino, H. 04251
04284
04292
Fujioka, T. 04228
07413
08959
09027
Fujisada, H. 05950
08414
Fujishima, K. 04487
Fujita, H. 00353
01319
04368
Fujita, K. 01193
Fujita, M. 05802
Fujita, S. 04313
07257
08903
Fujita, T. 06645
07384
Fujita, Y. 02486
Fujito, K. 07384
Fujiwara, F. 04275

Fujiwara, S. 00766
00775
Fujiwara, Y. 01457
Fukada, H. 02592
Fukada, Y. 05999
Fukagawa, H. 08205
Fukai, M. 00766
00775
Fukasawa, T. 06797
Fukata, Y. 09415
Fukinuki, H. 06227
Fuks, I.M. 06418
06439
Fukuchi, H. 03039
Fukuda, A. 08913
Fukuda, Y. 07668
Fukui, M. 02842
Fukui, Y. 01502
01919
05515
07193
07848
08424
Fukumoto, A. 09149
Fukumoto, K. 00697
05632
Fukunaga, S. 04917
Fukuoka, Y. 01045
04312
Fukushima, M. 00624
Fukushima, N. 02947
Fukushima, Y. 09176
Fukuta, J. 08541
Fukuzawa, H. 04267
Fulcomer, P.M. 06809
Fulghum, S.F. 05766
Fuller-Rowell, T.J. 02280
Fuller, A.T. 06904
Fuller, L.C. 06613
Fullton, J.M. 02158
Fulop, W. 01162
01178
Fulton, T.A. 00845
04163
04215
Funes, L.E. 08139
Fung, A.K. 01612
04808
04815
08013
08019
Fung, C.D. 07502
Fung, H.M. 09409
Fung, S.S. 09036
Furioli, G. 00107
Furlong, S.C. 07752
Furnadzhiyeya, M.V. 00842
Furukawa, H. 08198
Furukawa, I. 06227
Furukawa, M. 00297
03474
Furukawa, Y. 05949
Furuno, D.S. 00043
Furusawa, M. 09437
Furutsu, K. 01619
Furuyama, T. 04483
Fusco, L. 07033
Fuse, M. 02422
Fushikida, K. 03080
Fushimi, S. 07131
Fust, A. 00082
Futagami, S. 02808
Futakawa, M. 00328
Futami, S. 02049
Fye, D.M. 09355

Gaal, V. 00232
Gabolaev, Z.M. 09145
Gabriel, S.B. 08280
Gade, N. 00919
Gadkari, B.A. 07626
Gadre, R. 02514
Gaebler, W. 07726
Gaensslen, F.H. 01220
05979
Gaertner, U. 06482
Gaeta, I.S. 09246
Gagliardi, R.M. 05777
06384
07964
Gagne, S. 00529
Gagnepain, J.-J. 08821
Gagniere, C. 03833
Gai, E. 03623
09492

Gai, S. 07656
Gaikovich, K.P. 02180
Gailit, T.A. 06444
Gaillard, C. 03718
Gailliard, C. 06356
Gainutdinov, I.S. 05668
Gaisin, F.M. 02621
Gaitonde, G. 02577
Gajda, G. 04305
Gajjar, J.T. 00124
Galand, C.R. 08745
Galati, G. 09507
Galichii, A.A. 06635
Galin, I. 06452
Galkin, A.F. 08970
Galko, P. 01600
Gall, S. 01333
Gallagher, B.D. 08334
Gallagher, J.J. 03446
Gallagher, N.C.,Jr. 03802
06363
08742
Gallagher, N,C.,Jr. 06630
Gallagher, W.J. 04060
04218
Gallant, J. 03658
03660
05283
Gallauresi, D.R. 02256
Gallawa, R.L. 06123
Gallego, J.M. 00815
Galler, D. 00071
Gallion, P.B. 07380
Galloni, R. 05629
Galloway, K.F. 07586
Galluzzi, F. 02505
Galunov, N.Z. 08510
Galwas, B.A. 06463
Galy, P.V. 08396
Gamal, Y. 07403
Gaman, V.I. 00320
01124
01141
08422
Gamazov, Yu.A. 09158
Gammino, G. 06847
Gamo, K. 03429
04114
09009
Ganapathi, M. 02283
Ganapathy, V. 03796
Gandhi, O.P. 03681
05292
Ganguli, G. 00577
Ganguly, A.K. 08079
08830
Gao, Z.Y. 04153
04182
Gaponov, M.A. 00259
Garber, J.M. 02197
Garber, M. 04133
04257
Garbi, M. 03483
Garbin, D.A. 07841
Garbincius, P.H. 04132
Garcia Canal, C.A. 09095
Garcia, A. 00142
Garcia, A.,III 06980
08328
Gardais, O. 04402
Gardiol, F.E. 03238
08975
Gardner, C.E. 05737
Gardner, J.H. 07346
Garg, H.P. 01816
03365
Garg, R.K. 05651
06738
Garg, V.K. 06806
Garmany, W.J. 09485
Garmon, J.P. 03657
Garnero, L. 09338
Garnier, F. 03938
Garnier, J.F. 04172
Garnier, M. 00694
Garozzo, M. 02511
Garret, D.L. 03295
Garrett, I. 01373
Garrett, W.D. 00563
Garrett, W.K. 06048
Garrigues, M. 01150
Garrigues, R.D. 05422
Garshasb, M. 00374
Garside, B.K. 04018
Gartner, J. 08204
Gartrell, C.F. 02112

Gary, B.L. 086
Gasparyan, V. 016
Gasser, M.G. 074
Gasull-Llampallas, A. 063
Gates, G.W. 061
Gates, J.V. 042
Gates, K.S. 069
Gates, M.Y. 055
Gates, W.E. 022
Gatlin, J.A. 037
Gatti, E. 019
Gattis, T.H. 064
Gattozzi, A.L. 042
Gaubatz, U. 009
Gaunaurd, G.C. 015
Gaur, P.B.L. 024
Gautam, N.C. 022
Gauthier, N. 074
Gautier, J.L. 057
089
Gauvrit, M. 078
Gaver, D.P. 049
Gavin, L. 063
Gavrik, A.L. 086
Gavrilin, N.I. 055
Gavrilov, N.M. 085
Gavrilovic, A. 017
Gavrilovic, M.M. 017
Gavrilovic, P. 040
Gawdun, M. 061
062
Gay, E.C. 001
Gayler, J.R. 036
Gaynor, P.M. 028
Gazengel, J. 000
Gazizova, G.G. 003
Geake, J.E. 039
Gearhart, R.A. 050
Geary, J.M. 042
Gebert, J.P. 057
Geckeler, S. 013
026
Geckinli, N.C. 063
Geddes, J.J. 044
Geddes, L.A. 070
Gee, K. 054
Gee, S.A. 050
Gehlbach, S.M. 003
Gehre, O. 090
Geib, K.M 012
Geiger, R.F.,Jr. 035
Geisler, C.D. 095
Geisler, C.H. 054
Geisler, K.I. 002
Geisler, W. 004
Gelbgras, D. 020
Gelbwachs, J.A. 056
Geller, V.M. 019
Gellings, C.W. 066
082
Gelopulos, D.P. 049
Gelpi, C.G. 068
Geman, D. 056
Gen, N.S. 0851
Gendelman, S. 072
Generazio, E.R. 003
0511
Genesio, R. 087
Genevey, P. 041
Genge, M.F. 093
Genin, J. 088
Genin, L.G. 084
Genin, R. 024
088
Gentile, T. 083
Gentili, G.B. 0951
Gentles, M. 022
Gentry, S.J. 0841
Genzow, D. 0514
Georg, D. 0181
0451
George, B. 0713
George, G.L. 0617
George, N. 056
0732
Georghiades, C.N. 015
0770
Geotherstroem, L. 0791
Geppert, L.M. 0411
Geradin, M. 0520
Geraghty, D. 0834
Geraniotis, E.A. 0794
Gerard, A. 0033
Gerard, J.-L. 0150
Gerber, A. 0314
Gerbrands, J.J. 0237

hard-Multhaupt, R. 07501
heim, A.P. 03782
hold, J. 04261
in, F. 07743
la, M. 06255
lach, A.A. 05101
lach, W. 00290
09180
mer, W. 04332
mond, B.J. 01069
met, E.D. 08699
rshenkroi, V.L. 06774
rshenzon, E.M. 08427
rsho, A. 04685
rstein, G.L. 05324
rtman, D.I. 00191
se, A. 04977
sing, W.S. 04726
ssler, Ch. 04659
va, A. 08095
varter, W.B. 03586
08536
x-Fabry, M. 00529
yling, F.T. 09351
andakly, A. 06607
andhi, S.K. 03945
03946
ani, F.A. 01317
annoum, E. 05817
05818
atak, A.K. 04308
atol, A.A. 02707
ausi, M.S. 07127
een, G. 05774
eewala, T. 04072
eewala, T.R. 04082
eorghe, A. 06577
ia, A. 01698
inazzi, J.M. 08221
iordanescu, V. 06712
oneim, H. 07696
osh, A. 08354
osh, A.K. 01105
osh, A.M. 05076
osh, B. 01917
02521
03936
osh, C. 06019
osh, C.L. 04431
osh, D.K. 08787
osh, S. 03228
04601
04824
05076
osh, S.K. 01917
ancarlo, R. 07966
annini, F. 04829
arola, A.J. 03244
04848
ob, R.M. 00951
oboni, R.D. 00049
obons, J.F. 07642
obons, W.P. 04938
obs, A.J. 07894
obs, F.A.,Jr. 06999
obs, G.W. 02590
obs, J.L. 00447
obs, K.P. 07877
oson, E.D. 04100
oson, G.G. 02097
oson, J.A. 07161
oson, J.D. 03191
06364
09596
oson, J.R. 04726
oson, R.H. 06178
ozakez-Sanabria, O.D. 08319
ldings, A.E. 04491
llis, G.R. 03107
niewski, C. 07696
ssmann, H.-G. 00859
ford, L.N. 09175
guere, Y. 05856
s, M. 01026
M.A. 00307
ani, M.H. 02458
ardi, S. 06369
oert, B.K. 09260
oert, K.D. 01646
oert, M.G. 05253
oert, N. 01438
oert, S.W. 03089
oert, W.S. 04125
04126
04179
olom, D.L. 09479

Giles, M.D. 07642
Gilev, S.D. 08460
Gilgen, H. 02237
Gill, B.E. 08213
Gillespie, T.J. 07252
Gillett, W.B. 01832
Gillette, J.M. 05113
Gillette, R. 03683
Gilstrap, M. 07500
Ginat, T. 05333
Ginesi, D. 03548
Ginter, J. 00848
Ginzburg, N.S. 01066
Giordano, A. 04526
Giordano, N. 09139
Giorsetto, P. 06689
Giovannetti, A. 05242
Giramonti, A.J. 04952
Girard, A. 06268
07177
Girard, P. 09285
Giras, T.C. 01862
Giraud, C. 05378
Giraudi, D.M. 03117
Girczyc, E.F. 04418
Girdinio, P. 06511
06679
Girgis, A.A. 06339
Girgis, G.A. 06777
Girgis, R.S. 02674
Giriat, W. 00793
Girish, S. 00708
Gish, W. 08283
Gistelinck, P. 04872
Gitis, M.B. 01973
01975
01990
Giubilei, R. 03195
Giuffrida, T.S. 03049
Giuli, D. 09514
Giuliante, A.T. 01718
Gjerde, O. 01749
Gladkikh, L.M. 06897
Gladkov, S.M. 06715
Gladstone, K.J. 07683
Glagolev, A.E. 05149
Glagolev, S.F. 09158
Glagow, S. 09448
Glance, B. 06121
Glangeaud, F. 03227
Glashoerster, J.H.A. 05128
Glasl, A. 09263
Glasson, D.P. 02011
Glattfelder, A.H. 03827
Glavitsch, H. 01873
Glazkov, S.Yu. 08380
Glazkov, V.G. 01846
Glazov, O.A. 08465
Glebov, I.A. 04249
Glebova, O.S. 02545
Glebovich, G.V. 09091
Gledhill, R.J. 00773
Gledzer, E.B. 01934
Glendinning, W.B. 08918
09303
Glenis, S. 03938
Glenn, M. 06848
Glisson, A.W. 03242
04807
06403
08127
Glisson, T.H. 01109
Gloess, R. 02549
Glorieux, P. 00912
07340
Glover, J.D. 00145
Glover, K.M. 08398
Gluckstern, R.L. 06457
Glumb, R.J. 03647
Glushak, B.L. 03884
Glushchenko, A.I. 08842
Glushchuk, S.F. 01124
Glyuza, A.T. 08327
Gnanasekaran, R. 05458
Gnauck, A.H. 07390
Gnepf, S. 04002
07353
Gobby, P.L. 05163
05584
Gobioff, B.D. 06198
Gocho, Y. 08175
Goda, Y. 07057
08190
Godakov, S.S. 06883
Godfrey, D. 02751
Godfrey, D.J. 05899

Godfrey, R.B. 01159
03935
Godlevskii, A.P. 09516
Godlewski, M.P. 08339
Godone, A. 03859
09195
Goedde, G.L. 08221
Goeddel, T.W. 09480
Goedecke, G.H. 01606
03215
Goel, A. 05974
Goel, J. 03854
08815
Goel, L.R. 03620
08554
08555
Goel, V.K. 01817
Goeseie, U. 08338
Goethals, D. 08120
Goetze, A.J. 08145
Gogal, J.F. 02818
Goksel, A.K. 09266
Gol'tsman, G.N. 08427
Gold, C. 06307
Gold, M.P. 09371
Gold, S.H. 00937
Goldberg, B.S. 00187
Goldberg, L.S. 09022
Goldenberg, A.A. 08572
Goldhirsh, J. 04819
Goldreich, P. 00585
Goldsmid, H.J. 03371
Goldsmith, S. 02619
09074
Goldstein, A. 00347
Goldstein, M.S. 03098
Goldstein, S.A. 06629
06963
Gole, A.M. 04895
Gole, P. 09577
Golenkov, A.N. 05849
Golikov, E.G. 02487
Golio, J.M. 01238
Golio, J.M.M. 04422
Goloubkoff, M. 03057
Golovin, Yu.I. 03423
Golovko, A.S. 00258
Golovner, T.M. 00214
Golubev, A.S. 01978
Golubev, G.A. 09591
Golubev, V.A. 02794
Golubov, A.A. 05795
05800
Golyamina, I.P. 00330
Gombia, E. 02714
Gomel'skii, K.Z. 08379
Gomez-Aleixandre, C. 04359
Gomezplata, A. 04037
Gomi, T. 07042
Gonauser, E. 09263
Gonczy, J.D. 04132
Gonda, S. 04189
Gong, Y.-H. 09504
Gongwer, G.S. 04475
04510
Goniche, M. 04512
Gonzales, W.L. 02866
Gonzalez, A. 01702
Gonzalez, A.J. 00237
Gonzalez, G. 07188
07223
Gonzalez, R.R.,Jr. 05339
Gooch, R.P. 03786
Goodenough, D.G. 05356
Gooder, S.T. 08045
Gooding, J.N. 09270
Goodman, D.J. 01304
Goodman, E.D. 04858
Goodman, J. 00896
Goodman, J.R. 05246
Goodman, J.W. 01520
Goodman, K. 00635
Goodnick, S.M. 02743
Goodrich, L.F. 04273
Goodridge, V.D. 00522
Goodwin, A.R. 00951
Goodwin, G.C. 06382
Goodwin, J.C. 04018
Goodwin, S.H. 09275
Gool, H.B. 09085
Gopal Rao, V. 04780
Gopal, I. 01410
Gopal, I.S. 01403
02796
Gopal, K. 02498
Gopal, M. 03576

Gopal, P.M. 07849
Gopal, R. 02688
Gopal, V. 05592
Gopalakrishna, S. 06443
Gopalan, K. 06326
Gopalan, T.V. 00708
Gopani, S.G. 07890
Gorablenkow, J.M. 06581
Goranova, E. 04401
Gorbatjuk, A.V. 04397
Gorbatsevich, F.F. 05839
Gorbunov, V.F. 08325
Gord, J.G. 06389
Gorder, G. 07859
Gordetsky, G.R. 09461
Gordienko, N.I. 06774
Gordon, D. 06044
Gordon, E.I. 07544
Gordon, G.E. 05403
Gordon, J.M. 03361
Gordon, R. 02280
03671
08707
Gordon, R.D. 06209
Gorkunov, E.S. 05832
Gorman, B. 00835
Gorman, P.H. 00530
Gornik, E. 00765
05961
09201
Gorodkov, V.E. 02444
Gorokhovatskii, Yu.A. 00287
Gorshkov, A.S. 06440
Goryashko, A.P. 00674
Goshurenko, V.I. 06774
Gosling, T.R. 05245
Goslowsky, H. 02504
Goss, D.W. 03690
Goss, L.P. 03420
Gossard, A.C. 05075
07569
Goto, H. 04489
09464
Goto, K. 00196
Goto, T. 02050
Gotoh, T. 00964
Gottschalk, A. 05336
Goubau, W.M. 04157
Gouda, M.G. 07815
Gould, G. 09340
Gould, J.D. 07819
Gould, L. 07236
Gould, R.D. 02604
Gould, R.G. 07802
Gounder, R.N. 01667
Gounley, R. 09492
Gourrier, S. 01133
Goutzoulis, A.P. 00849
Gove, H.E. 00304
Govil, K.K. 00801
Govil, R. 03566
Govind 04993
Govinda Raju, G.R. 09077
Govindan, V.K. 03406
Govindarajan, P. 01415
04586
Gowar, J. 06135
Gower, J.F.R. 07052
Goyal, I.C. 04308
Goyal, V. 03621
Goyer, J. 04252
Graber, W.S. 09050
Grabinger, R.S. 05421
Grabovskii, A.P. 04354
Grabowski, W. 00365
Gracheva, M.E. 00008
Gradov, O.M. 06447
Grady, W.M. 06589
Graefe, R.J. 08160
Graf, E.R. 02894
Graf, F. 00904
Graham, A.D. 06514
Graham, G. 01958
Graham, J.H. 06929
Graham, J.R. 00576
Graham, R.A. 03761
Grainger, J. 02221
Grainger, J.J. 01732
01743
Gramolin, V.L. 08498
Gramz, M. 00286
Gran, R.L. 00349
Granatstein, V.L. 00937
Grandke, T. 01539
Grandy, N.R. 02226
Grange, H. 02004

Grange, J.D. 04831
Grant, A. 05408
Grant, D.A. 06559
Grant, W.N. 05953
Grantham, W.L. 08649
Granvist, C.G. 06663
Grashchenkov, N.F. 08804
Grassi, L. 01826
Grassl, H.P. 03513
Grasyuk, A.B. 08969
Gratzer, F. 07818
Grauerholz, D. 03798
Gray, C.B. 06509
Gray, E. 05578
Gray, F.G. 02164
Gray, H.P. 06124
Gray, J.C. 05554
Gray, P. 03879
Gray, P.E. 00665
00678
Gray, P.R. 04490
05454
05925
Gray, P.V. 07593
09211
Gray, R. 01645
07023
Gray, R.M. 07937
Gray, T.I. 02199
02205
02243
Grayman, W.M. 02231
Grayson, M. 02697
Graziani, P. 04694
Graziano, A. 01645
Greason, W.D. 07561
Greatbatch, W. 07006
Greaves, C. 06653
Greaves, J.R. 03706
Grebene, A.B. 02846
Grebennikov, V.V. 01972
Grechanyi, V.G. 06842
Greed, J.J. 06025
Greeley, R. 08493
Green, D.J. 03683
Green, D.K. 02160
Green, H.E. 08024
Green, J.L. 05011
08566
Green, L. 04465
Green, M.A. 00805
01159
02687
03935
05615
05617
05647
Green, M.W. 06217
Green, P.E.,Jr. 06100
Greenaway, A.H. 08707
Greenberg, A. 04801
Greene, D.P. 05768
Greene, K.H. 09347
Greene, R.L. 01012
Greene, S.R. 00149
Greeneich, E.E. 05985
Greenlee, D.D. 02202
Greenlee, J. 02207
Greenstein, L.J. 06121
09311
Greenwell, W.M. 08622
Greenwood, L.R. 00746
Greeuw, G. 04441
Gregorian, R. 05486
06389
Gregory, E. 04191
04278
Gregory, J. 08689
Greig, J.R. 08058
Grekhov, I.V. 04397
Gremban, K.D. 05364
Grenez, F. 02353
Grenier, Y. 03142
Gresham, D.W. 08185
Greve, A. 08046
Greve, J. 03537
Grevel, M. 02899
Grew, G.W. 00568
Grewer, R. 01327
Gribok, N.I. 00248
Gribov, B.S. 02545
Griem, H.R. 07435
Grier, R. 07712
Grieve, M.D. 06804
Griffin, D.W. 09539
Griffin, J.A. 07547
Griffin, J.W. 00855
Griffin, M.J. 08924
Griffing, B.F. 06083
Griffith, G.R. 03289
Griffith, J.S. 05708
Griffith, R.W. 03393
Griffiths, G.J. 05825
Grigas, J. 01101
Griggs, M. 05380
Grigoli, G. 06826
Grigor'ev, M.V. 01972
Grigoryan, V.A. 00300
Grigsby, L.L. 08236
Grilli, A. 05809
Grimble, M.J. 06383
Grime, G. 03968
Grime, J.S. 00506
Grimes, A.S. 08203
Grimes, P.G. 01795
Grimmeiss, H.G. 05898
Grimson, J. 04129
Grinberg, J. 04449
07297
Grinberg, O.Ya. 03152
Grinolds, H.R. 05982
09250
Gripp, L.P. 06542
Grippo, L. 08515
Grishanov, V.N. 09238
Grishin, S.D. 08608
Grishunin, P.A. 07421
Gritton, C.W.K. 07850
Grochowski, L. 07486
Groeseneken, G. 04443
Groff, J.S. 07791
Groh, K.H. 08607
Grohmann, K. 09090
Gromov, D.A. 00998
Gromov, V.S. 04342
Grondin, R.O. 02716
04375
09281
Groner, G.F. 09479
Groslambert, J. 08821
Grosmann, M. 07746
Gross, D.A. 04255
Gross, D.P. 06614
Gross, G.W. 01104
Gross, H. 01688
Gross, J. 02484
Gross, J.M. 05063
Gross, K.P. 00909
Gross, M. 04835
06467
Gross, R. 05804
Gross, R.W.F. 08028
Gross, S. 08297
Gross, W. 05519
Grossi, M.D. 07907
Grossin, R. 03376
Grosskopf, W.G. 02271
Grossman, A.A. 00936
Grossman, B. 00852
Grossman, D.D. 00428
Grosso, R.P. 00877
Grothe, H. 00822
Grotjohn, T. 09216
Grotke, G.E. 09040
Grotov, B.I. 00344
Groumpos, P.P. 02939
Grover, C.P. 09047
Grover, G.A. 04593
Groves, R.D. 07645
Groves, S.H. 09006
Grube, R. 01125
Gruber, J.G. 07814
Gruchalla, M.E. 04555
Grudkowski, T.W. 05121
Gruenbaum, F.A. 07899
Gruene, H. 01806
Gruener, G. 00376
Gruener, K. 03439
Gruenwald, R. 00251
Grund, C.E. 06609
Grundl, J.A. 00380
Gruner, L. 01041
08065
Grung, B.L. 02815
07540
Grzesik, J.A. 07483
Grzybowski, S. 00715
Gu, J.W. 01855
Gu, Y.-B. 03433
Guardo, R. 05308
Gubankov, V.N. 04098
04171
Gubankov, V.N. 04193
Gubina, T.V. 05110
Gubkin, A.N. 00287
Gud, I.Z. 08396
Gudelev, V.G. 09015
Gudger, K.H. 04475
04510
Gudilin, A.E. 03866
Guebels, P.P. 01183
Gueguen, F. 07746
Guekos, G. 04547
Gueltzow, U. 00069
Guena, J.J. 03057
Guenal, I. 05912
Guenther, K.H. 07416
Guenther, P. 06205
Guerra, G. 00218
Guerri, S. 05626
Guerrieri, R. 02767
Guers, K. 05747
Guertin, F.E. 05356
Guertler, M.W. 02124
Guettler, W. 01523
Guez, A. 03610
Guha, S. 00784
07286
07344
Guibelalde, E. 05779
Guidarelli, G. 09478
Guigliano, F.W. 01413
Guillemette, R. 04589
Gujar, N.K. 08056
Gukelberger, A. 05769
Gulachenski, E.M. 01780
06562
09099
Gulati, A. 08022
Gulati, R. 03956
09252
Gulyaev, Yu.V. 08479
Gumaste, A.V. 04883
Gumhalter, H. 08368
Gummer, R. 04146
Gunasekaran, S. 02969
06775
08937
Gundersen, M.A. 07344
Gundiler, I.H. 03370
Gunfeld, F. 01048
Gunn, M.W. 08112
Gunning, W. 02552
Gunning, W.J. 05468
Gunshor, R.L. 07494
Gunther, F. 02168
Gunther, F.J. 08658
Gunzenhaeuser, R. 04591
Guo, Y. 07407
Gupta, A.K. 02614
04421
07907
Gupta, A.S. 03150
Gupta, B. 00668
Gupta, B.S. 01729
Gupta, C. 06453
Gupta, C.D. 07488
Gupta, I.J. 01652
04753
Gupta, J. 04600
Gupta, J.P. 04516
Gupta, J.R.P. 03282
Gupta, J.S. 03463
Gupta, K.C. 06475
Gupta, P. 03620
Gupta, P.N. 00192
03231
Gupta, R. 03620
08554
08555
Gupta, R.K. 08056
Gupta, R.P. 08852
Gupta, R.S. 03422
Gupta, S.C. 01299
Gupta, S.D. 03828
Gupta, S.N. 02350
06078
Gupta, U.C. 03315
Gurashvili, V.A. 07394
Gurevich, A.Vl. 04160
Gurevich, G.G. 08498
Gurman, B. 00824
Gurney, J.O. 07321
Gurvich, A.K. 01972
05111
09133
Gurvich, A.S. 00008
Gurvich, V.A. 06741
Gurvitch, M. 042
Gurzick, J. 061
Guseev, Yu.E. 084
Guseinova, T.I. 003
Gusev, E.A. 008
019
048
089
Gusev, E.V. 024
Gusev, S.I. 051
Gusev, V.B. 055
Gusev, V.D. 064
Gustafson, J.C. 072
Gustafson, M.W. 048
Gustafsson, E. 076
Gustavson, D.B. 010
Gustin, R.F. 017
Guterl, F. 034
037
Guthrie, R.D. 037
Gutkin, A.A. 073
Gutknecht, M.H. 038
Gutleber, F.S. 095
Gutnikov, V.S. 007
Guttman, J.L. 010
Guty, V. 072
Gutzwiller, F.W. 029
Guyer, R.C. 009
Guymer, T.H. 070
Gyoerfi, L. 079
Gysel, T. 048
081

Haack, R.W. 026
Haak, R. 066
Haas, G.A. 088
Haass, U.L. 004
Haba, Y. 021
Habbal, F. 040
Habeck, J. 012
Habel, R. 009
Haber, F. 029
063
Haber, L. 070
Habersbergerova, A. 0391
Haccoun, D. 0465
Hack, M. 007
056
Hackam, R. 001
049
049
055
066
Hackett, D.F. 033
Hackwood, S. 0111
052
Haddad, G.I. 027
0881
Haddon, J. 080
Hadfield, J.R. 0327
Hadley, R.T. 0558
0558
Hadni, A. 0190
Haefner, H. 0252
Haegel, N.M. 0248
Haensch, W. 0112
Haering, H.U. 0352
Haerkoenen, E. 0034
Haeusler, G. 0088
Hafdallah, H. 0407
Hafez, H.M. 0797
Hafez, W.A. 0367
Hafner, C. 0679
Hafner, K. 0131
0144
0462
0708
0781
Hage, C.J. 0242
Hagedorn, F.B. 0586
Hagelbarger, D.W. 0625
Hagelstein, P. 0574
Hageman, D.C. 0309
Hagemann, H.-J. 0557
Hagge, J.K. 0608
Hagiwara, T. 0597
Hagmann, H. 0656
Hagmann, M.J. 0529
0804
Hagstrom, T. 0673
Hai, M.A. 0213
Hajj, M. 0299
Hakada, N. 0219
Hakamada, T. 0814
Hakimmashhadi, H. 0186

akimmashhadi, H. 05010
alawani, T.U. 09590
albritter, J. 04220
ale, J.R. 04141
Hale, L.G. 08890
Hall, D.G. 00953
Hall, D.L. 07900
Hall, D.R. 07392
Hall, D.S. 04989
Hall, E.L. 05212, 06908
Hall, J. 09129
Hall, J.R. 05351
Hall, L. 05270
Hall, M. 02996
Hall, P.M. 06085
Hall, R.W. 08640
Hall, S. 03881
Hall, S.A. 02989
Hall, S.R. 03623
Haller, E.E. 01894, 02489
Haller, M.E. 08041
Haller, R. 09326
Haller, W. 06353
Hallford, B.R. 03257
Halliburton, T.S. 05013
Hallnor, G.H. 09287
Halmann, M. 04999
Halme, S.J. 01347
Haloulakos, V.E. 02076
Halpern, S.W. 09472
Halpert, G. 08307
Halpin, T.F. 06704
Halsey, W. 05745
Halverson, D.R. 02371, 03151
Halyo, N. 03631
Hamabe, R. 02948
Hamada, N. 00676
Hamagaki, M. 00970
Hamaguchi, C. 08502
Hamaguchi, H. 02704
Hamajima, T. 04228
Hamakawa, Y. 01131, 02496, 02508, 05632, 09198
Hamamoto, Y. 02609
Hamanaka, K. 06079
Hamano, O. 00907
Hamasaki, M. 00727
Hambley, A.R. 07990
Hamel, W.R. 04986
Hamernik, R.P. 03117
Hamilton, C.A. 04061, 04095
Hamilton, D.K. 08917
Hamilton, D.R. 00758
Hamilton, D.S. 07291
Hamilton, J.A. 03760
Hamilton, W.C. 04258
Hamm, M.E. 05157, 06745
Hammad, A.E. 08217
Hammam, M.S.A.A. 04921
Hammer, E.E. 00826
Hammer, J.M. 00911
Hammer, T. 03066
Hammer, T.M. 03366
Hammond, P.W. 04869
Hammond, R.B. 03922
Hammons, T.J. 01705
Hamoud, G. 00154
Hampson, D.J. 07047
Hampson, N.A. 03322, 03331, 03339, 08304
Hamstad, M.A. 01970
Han, C.H. 05989
Han, D. 03706
Han, M.-K. 00787
Han, S. 04153, 04182
Han, T.S. 07955
Hanchar, D.R. 00194
Hancock, G.L. 04662
Hand, L.A. 02115
Handa, M.K. 02327
Handler, G.J. 09332
Handschy, M.A. 05694
Hane, K. 09255
Haneda, N. 02647
Haner, J.M. 04902
Hanes, L.K. 05524, 08806
Hang, K.W. 07667
Hanita, A. 08175
Hanjura, A.K. 03150
Hanko, J. 04381
Hanle, E. 03101
Hanlon, W. 03669
Hanma, K. 02917
Hanmandlu, M. 05220
Hanna, D.C. 07419
Hannemann, R.J. 02869
Hannett, L.N.,Sr. 01676
Hannula, R.A. 01581
Hannula, S.-P. 05557
Hansen, P. 04544
Hansen, S.E. 02817
Hansen, T.E. 09132
Hansen, V. 06482
Hansen, V.G. 06299
Hanson, A.G. 03163
Hanson, A.R. 05708
Hanson, B.A. 07854
Hanson, C.L. 04145, 06834, 07453
Hanson, F.E. 07357
Hanson, G.D. 05254
Hanson, W. 00555
Hansson, E.R.B. 08085
Hantzsche, E. 07456
Hanza, B.R. 00610
Hanzal, B.R. 07639
Hao, C. 05955
Hao, G.U. 02145
Happ, H.H. 01767, 01773
Haq, F.U. 00763
Haque, Y.A. 05927
Hara, E. 02931
Hara, E.H. 01367
Hara, H. 07401, 08976
Hara, M. 06797
Hara, S. 02049
Hara, T. 00297, 00970, 02476, 03474, 04478, 07241
Hara, Y. 04501
Harada, H. 02867
Harada, I. 02842
Harada, K. 07528, 08200
Harada, Y. 04069, 09594
Harakawa, K. 09009
Haralick, R.M. 02164, 05712, 07952
Harashima, F. 01692
Harashima, H. 01588
Haratani, N. 02374
Harbaugh, J.R. 03274
Harbour, D.S. 00560
Harcus, D. 03028
Harder, C. 05759
Harder, C.S. 02596
Harder, J.E. 08161
Harding, W. 00738
Hardt, D.E. 06924
Hardy, A. 00954, 04013
Hardy, G.H. 06958
Hardy, J.R. 03693, 09174
Hardy, R.H.S. 00104
Hargrave, P.J. 07806
Hargreaves, J.K. 04711
Harihan, S.I. 01625
Hariharan, M.V. 03285
Hariharan, P. 07331
Hariharan, S. 06690, 06691
Hariri, A.K. 00792
Haritantis, I. 00644
Hariton, D. 03157
Hariu, T. 00252
Harker, B.J. 01037
Harker, Y.D. 00378, 00745
Harleman, D.R.F. 01819
Harms, B.K. 05469
Harmuth, H.F. 06472, 08042
Harnden, J.A. 01686
Harned, N. 00810
Haro, H. 05372
Harper, J. 02201
Harper, R. 00688
Harrett, T. 07538
Harries, W.L. 08981
Harrington, R.F. 08015, 08062, 08649, 09121
Harrington, R.J. 01040, 04904
Harris, B. 02611
Harris, D.H. 01755
Harris, E.P. 04078
Harris, G.L. 07547
Harris, J.J. 02231
Harris, L.B. 03371, 04976
Harris, L.E. 05137
Harris, L.P. 09071
Harris, M.R. 00977
Harris, R. 00541
Harris, R.E. 04066, 06787
Harris, S.E. 05057
Harrison, C.A. 08110
Harrison, E.F. 02097
Harrison, H.B. 09304
Harrison, W.A. 02550
Harrison, W.L. 01027
Harstad, K.G. 00979
Hart, F.X. 08448
Hart, H. 02662
Harte, J.R. 02297
Hartenstein, R. 08106
Hartford, A. 05136
Hartfuss, H.J. 07209, 07576
Harth, E. 05332
Hartigan, P. 09470
Hartl, W. 01912, 06742
Hartley, J. 02025, 03589, 03590, 04678
Hartman, G.L. 02077
Hartman, J.S. 00208
Hartman, R.L. 04011, 07544
Hartnagel, H.L. 05939, 06038
Hartog, A.H. 09371
Harumoto, Y. 01719, 01723
Harvey, E.B. 01036
Harvey, E.D. 07531
Harvey, G.T. 06399
Harvey, M.G. 09041
Harvey, R. 00934
Harvey, S.M. 08271
Harwig, H.A. 02957
Hasan, P. 00704
Hasatani, M. 03351
Hasegawa, H. 01227, 09243
Hasegawa, T. 01405, 03085, 06529, 07844
Hasegawa, Y. 06037
Haselton, E.F. 01460
Hash, G.L. 04429, 04476
Hashem, M.S.M. 08055
Hashiguchi, K. 07288
Hashimoto, K. 08913
Hashimoto, M. 02609
Hashimoto, N. 09213, 09221
Hashimoto, Y. 04275
Hashish, M.A. 03678
Hashizume, N. 07589
Haskard, M.R. 09290
Haskell, A. 00540
Haskell, B.G. 02941, 07777
Hasler, M. 00661, 07184, 08772
Haslett, J.W. 03696
Haspeslagh, D. 08782
Hassab, J.C. 09531
Hassan, K.-E. 01823
Hassan, S.A. 06605, 06703
Hassan, S.Z. 09298
Hassan, Y.M. 03930
Hassanein, T.L. 05815
Hassenzahl, W.V. 04126, 04179, 04245, 09063
Hasso, E.A. 06865
Hasson, R. 09043
Hasui, K. 07831
Hasuike, K. 01697
Hasuo, S. 04083
Hata, H. 07241
Hata, R. 08205
Hatamian, M. 00526
Hatamura, Y. 00404
Hatanaka, Y. 08870
Hatano, H. 03864
Hatch, A.M. 04144
Hatfield, L.L. 01096
Hattori, H. 03457
Hattori, S. 03486, 07831
Hatze, H. 05316
Hauer, J.F. 09064
Haugland, E.J. 05563
Haus, G. 01477
Haus, H.A. 00828, 03996, 05822, 07491
Hauser, J.R. 01109, 07259
Hausser, A.G. 00187
Hauth, R.L. 08351
Hava, S. 05678
Havard, D.G. 08846
Havener, A.G. 00359
Haverty, J. 05412
Havlik, S. 08527
Hawas, M.M. 03364
Hawkes, G.S. 07046
Haworth, R.F. 04727
Hayakawa, H. 01250, 02616, 04093, 04105
Hayakawa, K. 06278
Hayakawa, M. 01193
Hayakawa, T. 00944, 04007
Hayama, S. 01982, 05119
Hayano, S. 06827
Hayasaka, E. 07753
Hayashi, H. 00944, 04007, 07424, 08963
Hayashi, N. 03888
Hayashi, S. 01589
Hayashi, T. 02835, 05591, 07241
Hayashi, Y. 05608, 05650
Hayasi, M. 04478
Hayata, K. 08023
Hayati, S.A. 03643
Hayden, B.P. 02226
Hayden, J. 02099
Haydl, W.H. 07671
Hayes, J.E. 00985
Hayes, J.P. 07105
Hayes, J.R. 02727
Hayes, M.H. 03134
Hayes, P.K. 08040
Hayhoe, G.F. 06530
Haykin, S. 06481
Hayner, D.A. 04714
Hays, P.B. 02280
Hayward, D. 06614
Hayward, G. 07754
Hayward, G.A. 02925
Hazel, R. 01497
Hazewinkel, M. 05471
Hazlett, C.F. 03986
Hazra, S.N. 00638, 08753
He, D. 07392
He, J.-L. 08207
He, Y.-K. 06520
Heacock, R.L. 03640

Head, E.D. 07771
Healey, P. 08956
Hearn, E.J. 00835
Heartly, W.H. 03481
Heasell, E.L. 07287
Heath, B.A. 06083
Heath, J.R. 06175
07930
Heaton, J.M. 09042
Heber, J. 09014
Hebner, R.E. 01089
Hecht, D.L. 07311
Hechtfischer, D. 09090
Heckenberg, N.R. 08929
Heckmann, R. 07002
Hector, J. 06565
Hedberg, A. 01523
Hedberg, T. 04626
Heddebaut, M. 06426
Heddings, H.E. 04325
Hedinger, R.A. 09407
Heeger, A.J. 08501
Heer, E. 02040
Heffernan, P.B. 03672
Hefter, U. 00971
Hegedues, F. 00384
Hegedus, F. 02137
Hegedus, S.S. 07268
Heggestad, H.M. 09454
Heggie, A.S. 00351
Heginbotham, W.B. 08566
Heidel, D.F. 04071
Heider, S.M. 05709
Heidgerken, R.A. 03512
Heidner, R.F.,III 05737
Heijer, C.D. 04362
Heikkila, W.W. 05953
Heikkinen, P.V. 04668
Heilberg, E. 03011
Heimbold, G. 05235
06949
Heimburg, K.F. 05362
Heime, K. 04394
Heimes, K. 09235
09349
Heinemann, S. 04115
Heinen, G. 06064
Heinonen, P. 08836
Heintz, F. 00617
Heinz, C. 07295
Heinz, T.F. 00866
Heinz, W. 04166
Heinze, E. 06358
Heitman, L.B. 01402
Heitzmann, M. 01128
Helfert, M.R. 02199
02205
02243
Helin, P.A. 04715
Helix, M.J. 07639
09253
Hellestrand, G.R. 07628
Helliwell, J.B. 00341
Hellman, M.M. 03375
Helman, J.S. 00323
Helmer, D.C. 01941
Helmer, R.G. 06746
Helmkamp, J.C. 05096
Helstrom, C.W. 03119
08867
Hemenway, B.R. 05762
Heminger, D.M. 03927
Hemmaplardh, K. 04946
Hemminger, J.C. 05077
Hemphill, G.L. 06340
Henaux, J.-C. 00059
05534
Hendel, R. 05075
Hendel, R.H. 01219
07569
Hendershot, R.G. 09517
Henderson, D. 03117
05750
Henderson, K.E. 08647
Henderson, L.W. 01605
Henderson, R.C. 02848
Henderson, R.I. 08123
Henderson, T. 05983
Henderson, T.S. 09244
Henderson, V.W. 05323
Henderson, W.B. 04408
Hendry, A. 01633
Heneghan, P.J. 01382
Henein, G. 04028
Henein, N.A. 02342
Henesian, M.A. 00308
Henig, A. 00945
Henisch, H.K. 01130
Henkels, W.H. 04112
Hennessy, J. 06050
07621
Henning, I.D. 02527
Henning, W. 08850
Hennings, D. 04832
05574
Henningsen, J.O. 02584
Henrot, D.M. 02362
Henry, C. 04008
07383
Henry, C.H. 08965
Henry, F. 03783
Henry, G.H. 05322
Henry, H.G. 09302
Henry, J.J. 06530
Henry, P.S. 07383
07702
Henry, R.L. 08080
Henson, T.F. 05365
Hentschel, C. 06154
Hentschke, S. 02965
09319
Heong, T.H. 07429
Heppner, J. 00765
07395
Herben, M.H.A.J. 01629
Herbig, H. 01655
Herbst, D. 07604
Herbst, H. 01233
Herbst, M.J. 07346
Herczfeld, P.R. 08331
Herd, S.R. 02312
Heritier, J.-M. 03974
Heritier, J.M. 03972
Herlach, F. 05046
Herman, G.T. 00510
06993
Herman, H. 09018
Herman, J. 04526
Herman, S. 01497
Hermansson, B. 08066
Hermsdorf, I. 05240
Herndon, M. 00937
Hero, A. 01562
Heron, P.J. 05559
Heroux, P. 08211
Herremans, L. 04717
Herrera, N.E. 00757
00758
Herrero, J.M. 05080
Herrick, C.S. 00200
Herrmann, P.P. 05887
Hersh, S.P. 01729
Hershey, J.E. 03177
Herskind, C.C. 08203
Herskowitz, G. 07766
Herstein, P.D. 06305
Hertz, D. 07148
08542
Herwig, R. 01022
Herziger, G. 05791
Herzog, U. 03952
Hess, H.L. 04880
Hess, K. 00267
04006
05896
05926
Hess, R.A. 03645
05256
Hessary, M.K. 06464
Hesse, J. 08558
Hesselink, L. 00896
Hession, P.J. 06673
Hetsch, J. 08068
Heuber, K.H. 04488
Hewkin, P.F. 00418
Heydt, G.T. 00621
01866
06620
Heylen, A.E.D. 05810
Heynick, L.N. 01533
Hezel, R. 02509
Hibbs, A.R. 00564
Hibbs, S.M. 06638
Hibino, K. 00295
Hickey, G.L. 07474
Hickman, J.R. 02199
Hickok, H.N. 04876
Hicks, K. 04479
Hida, A. 01961
Hidaka, M. 04084
Hidaka, T. 08978
Hide, I. 05610
Hiebert, A.D. 05813
Hieftje, G.M. 00737
Higaki, S. 04368
Higashi, Y. 09518
Higashino, T. 02955
Higashisaka, A. 04508
Higgins, R.C. 03109
Higgins, W.E. 05435
Higgins, W.T.,Jr. 02095
Higgons, J.A. 02776
Higham, N. 05554
Higuchi, K. 08226
Higuchi, M. 04477
Higuchi, T. 07106
Hihara, H. 08502
Hijikata, T. 00944
04007
08963
Hikita, M. 01457
Hilal, M.A. 04149
Hilal, S.K. 03670
Hilborn, H. 08382
Hild, R. 01005
Hildebrand, J.A. 03506
Hilditch, T.E. 00513
Hilko, B.K. 06963
Hill, B. 02554
04544
Hill, E.F. 08372
Hill, K.O. 01348
Hill, L.A. 00130
04902
Hill, L.K. 03581
Hill, R.J. 01630
Hill, R.P. 02163
Hill, T. 06387
Hill, W. 08668
08682
Hiller, D.M. 05865
Hillery, P. 00209
02518
Hillhouse, D.L. 04933
Hillhouse, J. 01437
06097
Hillsman, E.L. 01868
Hilpert, Th. 04229
Hilson, D.W. 05026
09097
Himpsel, F.J. 00306
Hinamoto, T. 05460
05464
Hinden, R. 05412
Hinderks, S.B. 06458
Hindman, E.E. 07061
Hines, F.F. 03412
Hines, H.E. 02994
Hinken, J.H. 06423
Hinkle, R.E. 04145
Hinkov, V. 03526
Hinrichsen, E.N. 06551
Hinshelwood, D.D. 05821
Hintzmann, K.-D. 02831
Hippe, P. 05176
Hippert, R.O.,Jr. 07839
Hirabayashi, H. 04154
04195
Hirabayashi, M. 05123
Hirachi, Y. 09248
Hirade, K. 09315
Hirai, A. 01895
Hirai, J. 02568
Hirakawa, H. 09148
Hirano, K. 03801
08743
Hirano, M. 07739
Hirasawa, K. 08199
Hirata, A. 04908
Hirata, K. 08199
Hirata, M. 00310
03267
Hirata, Y. 07908
07956
Hirayama, M. 09227
Hirayama, T. 02003
03474
Hirayama, Y. 05567
Hiroe, S. 06634
Hirose, K. 08122
09465
Hirose, M. 08205
Hirota, O. 01331
Hirota, T. 09467
Hiroyasu, H. 05126
Hirsch, P. 00613
01472
02561
Hirsch, P. 04
06
07
08
Hirschfeld, T. 06
Hirsh, I. 05
Hirsimaeki, O. 00
Hirt, K. 00
Hirt, W. 01
Hisanari, T. 04
Hitomi, Y. 02
Hiwatashi, T. 04
Hix, S.R. 08
Hiyama, T. 04
04
04
Hiyamizu, S. 00
Hlavka, C.A. 05
Hluchyj, M.G. 08
Ho, C.-N. 01
Ho, C.F. 07
Ho, C.P. 02
Ho, C.T. 05
Ho, C.Y. 07
Ho, N.J. 07
Ho, R. 02
Hoang, H.-H. 04
Hoang, L.-H. 06
Hoard, B. 01
02
02
Hobart, H. 03
Hobbs, G.K. 02
Hoberecht, M.A. 08
Hoberecht, W.L. 07
Hobson, E. 08
Hoburg, J.F. 03
05
Hocevar, D.E. 04
05
05
Hock, V.F. 03
05
Hocker, L.P. 05
Hockings, E.F. 02
03
Hodgkinson, T.G. 07
Hoeber, C.F. 00
Hoefflinger, B. 07
09
Hoefsloot, J.J.C.M. 04
Hoek, B. 07
Hoekenek, E. 03
Hoen, K. 08
Hoenders, B.J. 00
Hoenig, A. 05
Hoenig, M.O. 041
042
042
Hoepfel, R.A. 059
Hoeppner, D. 028
Hoeppner, D.W. 018
Hoer, C.A. 060
Hoffman, C.J. 062
Hoffman, G.R. 053
Hoffman, H.H. 016
Hoffmann, M. 038
Hofheimer, H. 010
Hofman, M. 074
Hofmann, G. 026
026
Hofmann, R. 068
Hofstadter, R. 053
Hofstetter, E.M. 062
Hoft, R. 033
033
Hogan, J.V. 048
Hogari, K. 093
Hogarth, C.A. 092
Hogge, C.R.,Jr. 093
Hoh, K. 003
Hohenau, W. 061
Hohenwarter, G.K. 088
088
Hohkawa, K. 042
092
Hohl, F. 089
Hohl, J.H. 095
Hohmann, G.W. 032
Hokkyo, J. 0627
Hoko, H. 0408
Holben, B. 0343
Holben, B.N. 0054
Holbrook, K.L. 0558
0558
Holck, P.H. 0201

olcomb, L.B. 02113
olden, J.E. 00509
older, D.W. 06986
olderby, W.S. 06943
olland, D. 08532
olland, E.W. 02244
02255
olland, T. 05236
oller, R.A. 07056
ollerbach, J.M. 06930
olliday, J. 00903
olligan, P.M. 00560
ollinger, J.P. 08675
08676
ollingum, J. 06932
ollis, M.A. 04395
05934
ollister, W. 00824
ollowell, M.L. 04520
olly, P.J. 01239
olm, P.M. 07263
olm, R.G. 07032
08661
olmberg, S.H. 07590
olmen, J.O. 06848
olmes, F.E. 02411
olmes, J. 05417
olmes, J.N. 04688
olmes, P.G. 08352
olmes, P.L. 05554
olmes, Q.A. 06294
olmes, T.J. 05304
olmqvist, U. 03593
olmstrom, R.P. 01200
olohan, A.M. 05773
olonyak, N.,Jr. 04006
olsinger, R.F. 06457
olt, A.R. 01610
olt, D.B. 04467
olten, L. 01749
oltslag, A.H.M. 04288
04293
oltz, J. 00118
olway, L.H. 05905
olyer, R.J. 03448
olze, R. 00184
olzhauer, E. 00765
olzrichter, J.F. 02591
olzworth, R. 05373
05374
omans, B.L. 00589
omentcovschi, D. 00018
onbu, M. 04884
onda, M. 00304
01087
04939
09167
09586
onderd, G. 06682
oneycutt, D. 02229
oneyman, B.W. 03762
ong, C.S. 08908
ong, S.O. 04278
ong, T.H. 05730
ongo, A. 02650
onjo, K. 00685
03851
onma, D. 03573
onma, T. 00108
oogeboom, P. 01526
oogedijk, A.H. 02599
oogendam, P. 04196
ooper, M.W. 03708
ooper, R.C. 04557
oover, J.C. 03212
ope, G.S. 04889
04894
06555
08354
ope, L.L. 08896
opkins, F. 07262
opkins, M.W. 05003
opper, A. 04635
ora, H. 04003
oraud, P. 03185
organ, J. 04984
07104
ori, K. 00401
ori, M. 09010
ori, S. 03850
ori, Y. 01091
origuchi, S. 04474
origuchi, T. 01325
orii, K. 07312
orii, S.C. 05295
orikawa, Y. 05377
Horikiri, K. 02529
Horikoshi, Y. 04320
07388
Horima, H. 07753
Horino, N. 02953
Horisberger, M. 07481
Horiuchi, M. 02801
Horiuchi, T. 01885
08226
Horiuchi, Y. 09030
Horlacher, E. 04591
Horlitz, G. 04136
Horn, P. 02555
Horn, R.E. 08067
Hornak, L.A. 05233
Hornbeck, L.J. 07326
Horne, D.F. 04514
Horne, F.H. 00174
Hornick, S. 07520
Horninger, K. 09267
Hornung, S. 04565
Horowitz, G. 03938
Horowitz, I. 08757
Horowitz, M. 06000
Horowitz, M.A. 06028
Horowitz, R. 05174
Horrell, E. 09460
Horspool, R.N. 07967
Horstein, M. 03004
Horton, J.S. 08236
Horton, L.L. 00372
Horton, W.H. 01065
08504
Horvath, I. 04198
04229
Horvath, J.A. 04192
Horvath, N.C. 02242
03690
Hoschette, J.A. 00610
Hoshiko, Y. 02393
Hoshino, A. 08976
Hoshino, I. 01494
Hoshino, S. 00340
Hoshino, T. 05078
Hoshino, Y. 05696
07301
Hoskins, M.J. 01968
Hosni, Y.A. 06207
Hosoda, H. 02335
06529
Hosom, D.S. 09489
Hosono, T. 04310
Hosoya, N. 02955
Hosoya, Y. 03196
Hosselet, L.M.L.F. 00147
Hostetter, G.H. 03132
05310
Hosticka, B.J. 09599
Hou, D.L. 07578
Hou, L.D. 05532
Houck, J.R. 00273
Hougaard, P. 00260
Houjoh, H. 00328
Houldsworth, J.A. 06559
Houpt, P.K. 04767
Houska, R.V. 06523
Housos, E. 00150
Houston, J. 02326
Houston, J.B.,Jr. 00874
Hovanessian, S.A. 04723
Hovis, W.A.,Jr. 04339
How, J.A. 06506
Howard, C.J. 01893
Howard, G. 02240
Howard, J. 03213
Howard, M.L. 05282
Howard, R.E. 01512
04564
Howell, E.K. 02991
Howells, E. 09165
Howes, J.H. 05952
Howze, J.W. 00392
Hoyt, S.M. 00128
Hozack, R.S. 04569
Hsiang, T.Y. 04096
Hsiao, C.K. 02515
Hsiao, J.K. 01604
Hsiao, Y.R. 05635
Hsieh, C.-M. 00283
Hsieh, D.-C. 01498
Hsieh, H.C. 09292
Hsieh, K.-C. 05480
Hsieh, Y.-I. 06027
Hsiung, T.J. 04791
Hsu, C.-P. 02811
Hsu, C.P. 06017
Hsu, F. 04526
Hsu, F.-C. 02754
02760
05966
05969
05970
05982
Hsu, H.H. 05157
Hsu, S.-Y. 02232
Hsu, S.T. 01927
07587
Hsu, W.C. 06022
Hsu, Y.-N. 06172
Hsu, Y.-Y. 00077
Hsu, Y.H. 04185
Hsueh, K.-L. 01796
Htsui, J.S.C. 07228
Hu, C. 02481
02693
02754
02760
Hu, C.-L.J. 00045
Hu, C.M. 07249
Hu, G.J. 09212
09245
Hu, J.S. 07329
Hu, M.-Z. 06527
Hu, P.W. 03771
Hu, Q.L. 09113
09122
Hu, W.-R. 03201
Hu, Y.W. 04510
Hu, Z.Y. 02322
Hua, L. 02876
Hua, S.-N. 00180
Huan, Z. 07284
Huang, C.-M. 06992
Huang, C.C. 01664
05048
05146
Huang, G. 04965
07653
Huang, H.Z. 04153
04182
Huang, J.C.Y. 06109
Huang, K.H. 09034
Huang, K.Y. 07039
09541
Huang, N.E. 08674
Huang, R.-M. 06831
Huang, R.-S. 06831
Huang, S.-J. 09504
Huang, S.Y. 09119
Huang, T.C. 01577
Huang, T.S. 01535
03136
04766
04768
05724
09525
Huang, X.-Y. 02232
Huang, Y. 04146
Huang, Y.-T. 04387
Huang, Y.C. 08210
Hubach, E.J.R. 01347
Hubbard, H.H. 08592
Hubbard, N. 02222
Hubbell, H.H.,Jr. 05088
Huber, D.E. 04634
Huber, H.D. 06686
Huber, M. 02919
Huber, W. 06662
Huber, W.D. 05871
Huck, F.O. 00892
08940
Hudda, F.G. 07458
Huddleston, P.L. 08105
Hudson, A. 05313
Hudson, C.R. 01842
Hudson, H.E. 06174
Hudson, H.S. 00584
Hudson, J.A. 05998
Hudson, J.E. 05865
Hudson, R.D. 02014
Hue-Petillat, D. 06356
Huebener, R. 09056
Huebener, R.P. 04107
05804
Huebner, G. 02558
Huenchen, K. 06661
Huerta, M.A. 07223
Huff, E.G. 06217
Huffman, R.E. 00485
Hugelin, B. 03260
Huget, E.W. 03280
Huggins, H.A. 04221
Hughes, A.J. 00824
Hughes, C. 05364
Hughes, D.J. 04930
Hughes, E.B. 05299
05313
Hughes, F.M. 01750
05217
Hughes, G.F. 01095
Hughes, H.G. 08660
Hughes, M. 03322
03331
03339
Hughes, M.B. 04963
Hughes, P.K. 04720
Hughes, P.M.J. 08597
Hughes, P.S. 01704
Huguenin, D. 07068
Huiln, J.P. 09330
Huisman, H.F. 05863
Huisman, L.M. 05928
Hull, D.G. 08622
Hull, D.R. 00331
Hull, J.A. 03163
06355
Hulthen, R. 03135
Hulton, V.N. 02921
Hum, R.H. 08911
Humes, D.H. 08982
Hummel, E. 06102
07069
Hummels, D.R. 05469
Hummer-Miller, S. 08662
Humpage, W.D. 07465
Humphrey, E.D. 00864
Humphrey, J.N. 08857
Humphries, S. 01163
Hundt, E. 00863
Hung, B.N. 00347
Hung, E.K.L. 03103
Hunsinger, B.J. 01968
Hunt, B.D. 04088
Hunt, G.H. 00824
Hunt, J.A. 02327
Hunt, L.R. 06971
Hunter, L.D. 08585
Huntington, C.A. 01011
Huntoon, A.H. 03124
Hura, G.S. 02068
Hurd, J.L. 06748
Hurlbut, G.W. 00622
Hurley, W.G. 00714
Hurlock, L. 01886
Hurrell, J.P. 04117
Hurst, G. 01897
Hurst, S.L. 06034
Hurtubise, S. 06268
Hurzeler, P. 07007
07008
Husain, A. 01264
05979
09261
Husain, E. 01757
Husain, S.R. 02135
Huss, S.A. 07635
Hussey, C.D. 09394
Hussey, W.P. 02855
Hutchings, I. 01310
Hutchinson, A.L. 03925
Hutchinson, M.H.R. 05054
Hutchinson, P. 00197
Hutchison, D. 05408
Huth, G.C. 05323
Huynen, J.R. 04706
Hwang, B.-Y. 03923
Hwang, J.C.M. 01219
Hwang, K. 06021
Hwang, K.S. 00003
Hwang, T. 01229
Hwang, W. 07276
07605
09207
09210
Hwang, W.-L. 01641
Hwang, Y.S. 00695
Hyde, F. 08238
Hyde, J.S. 03243
Hylten-Cavallius, N. 00153
00289
Hylton, J.O. 00190
Hyman, B. 08363
Hyman, E. 00577
Hyman, H.A. 05766
Hyslop, A. 04440

Iafrate, G.J. 05896

Iazzi, F. 05588
Ibanez, L.F. 00938
Ibruegger, J. 07443
Ibuki, K. 00110
Ichihara, M. 04283
Ichihashi, Y. 07710
Ichikawa, S. 05604
Ichimiya, Y. 04102
09057
Ichimura, S. 00310
Ichinoki, H. 04114
Ichiyanagi, N. 02475
Idda, M. 04493
Ide, T. 02486
Ideriah, F.J.K. 00579
Idzkowski, J.E. 03295
Ieda, M. 05148
05683
Ieda, N. 05505
Iga, H. 02964
Igarashi, H. 03897
Igarashi, I. 02628
Igarashi, M. 09248
Igarashi, T. 03873
Igiri, G.C. 01966
Ignatiev, A. 00212
Igoshin, V.I. 05763
Iguchi, M. 00618
Iguchi, N. 03573
Iguchi, T. 05133
Ihara, H. 04189
Ihara, S. 08357
Il'in, V.G. 08491
Iida, F. 04253
Iida, H. 05608
05650
Iida, S. 08862
Iijima, R. 02374
Iikura, T. 06317
Iioka, M. 08242
Ilyasov, Yu.P. 08491
Iizuka, K. 04852
Iizuka, T. 02198
Ijichi, K. 04997
Ike, M. 00108
Ikeda, H. 09600
Ikeda, K. 00941
09573
Ikeda, M. 00435
05823
Ikeda, S. 07659
Ikeda, T. 01961
Ikegami, S. 05621
05622
05623
07282
Ikegami, T. 05757
Ikeno, Y. 04201
Ikenoue, J. 08825
Ikenoue, J.-I. 00697
Ikeuchi, M. 00321
Ikushima, T. 04452
Ikuta, I. 02557
Il'in, I.V. 00023
Il'in, V.N. 02414
Il'ina, L.K. 03904
Il'yasov, R.S. 01608
01942
09140
Il'yushenko, V.N. 08804
Ilana, A.,Jr. 05394
Ildstad, E. 01038
Ilg, M. 02237
Iliceto, F. 06567
Iliff, K.W. 00473
Iliyeva, M.G. 00842
Illingworth, J. 05726
07662
Ilyas, M. 05423
Ilzycer, D. 05812
Imai, I. 02063
Imai, K. 07670
07805
Imai, M. 01051
02647
Imai, S. 01485
04224
07241
Imai, T. 03451
Imaichi, K. 08466
Imaizumi, M. 04275
Imajo, T. 08205
Imamura, S. 06779
Imanaka, R. 02601
Imasaki, K. 04368
Imase, M. 05823
Imhoff, M.L. 02168
Immink, K.A.S. 02599
Imori, A. 09421
Imori, M. 08838
In't Veld, S. 07734
Inaba, H. 09329
Inaba, M. 02779
Inaba, T. 08190
08227
Inabe, Y. 02835
Inagaki, K. 01635
Inagaki, M. 03338
03340
Inal, O.T. 03370
Inamdar, R.M. 03875
Inan, A.S. 06408
Inbar, G.F. 05328
05333
Ince, I. 06806
Inculet, I.I. 03540
Inderbitzin, H. 08194
Indulkar, C.S. 05819
06575
06612
07477
Ingal, V.N. 06743
Iniewski, K. 00733
Innocenti, M. 06967
Innorta, M. 01854
Inomata, H. 03002
Inose, H. 09425
09438
Inoue, H. 00098
00400
Inoue, J. 01960
04486
Inoue, K. 04195
06941
07606
Inoue, M. 01502
03085
Inoue, N. 04948
09426
Inoue, T. 00681
01768
02416
02475
06189
06776
09167
Inoue, Y. 00778
04482
04863
08879
Inouye, Y. 07107
Inpyn, B.E. 06075
07660
Intichar, L. 04250
Inuishi, M. 01134
Inuishi, Y. 00839
01793
Ioannou, D.E. 00773
Ioffe, L.A. 08865
Ioinovici, A. 08757
Ionescu, D. 06712
Iordanoshvili, E.K. 06897
Ip, K.T. 04421
Ip, W.R. 00509
Ippen, E.P. 03996
Ipsen, I.C.F. 06042
Iqbal, T. 09209
Iriarte, M.,Jr. 00631
Irie, F. 04162
04200
Irisarri, G. 00150
Irving, L.D. 01226
Irving, N. 01728
Isaac, R.D. 02725
Isaenko, F.I. 09081
Isaev, V.I. 00700
Isailovic, J. 01387
Isaji, K. 04081
Isaka, K. 08293
Isbell, R.M. 04393
Iserman, T. 02325
03977
Isett, L.C. 05613
Ishchuk, A.A. 07492
Ishibashi, K. 04131
Ishibashi, T. 07567
Ishibashi, Y. 04360
Ishibe, M. 05545
Ishida, A. 04102
04227
09057
09295
Ishida, C. 09286
Ishida, I. 04084
Ishida, J. 02976
Ishida, M. 03072
08153
08424
Ishida, S. 07600
09225
Ishida, Y. 01326
01961
06139
06156
07770
09368
Ishido, M. 03451
Ishigaki, Y. 02947
Ishigohka, T. 04292
Ishiguro, F. 08225
Ishihara, K. 01326
02936
06148
Ishihara, T. 06003
07143
Ishihara, Y. 04495
Ishii, E. 03888
Ishii, M. 06586
Ishii, T.K. 01889
03243
06474
Ishii, Y. 07600
09225
09226
Ishijima, M. 05310
Ishikawa, H. 04454
04473
Ishikawa, J. 06724
Ishikawa, K. 08913
Ishikawa, T. 04265
04287
Ishikawa, Y. 06711
Ishimoto, A. 09265
Ishio, H. 02912
09353
Ishioka, T. 02838
Ishizaka, M. 09573
Ishizuka, M. 07989
Ishizuka, S. 07384
Isida, M. 01836
Isiorho, S.A. 07020
Iskander, M.F. 06432
06989
Iskol'dskii, A.M. 08323
Ismail, M. 00677
07171
Isobe, M. 02949
Isoda, K. 03617
Isogai, H. 04489
Isozaki, K. 09344
Isshiki, I. 02575
Itagaki, S. 09243
Itaka, K. 02476
07241
08198
Itakura, F. 09586
Itami, S. 09039
Itano, W.M. 06869
Itaya, Y. 03351
05757
Ito, A. 05095
Ito, F. 01840
05005
Ito, H. 07567
09329
Ito, H.N. 05699
Ito, K. 06525
06553
08175
Ito, M. 00282
00769
02704
05589
Ito, O. 01516
Ito, T. 01001
06538
07042
07706
09375
Ito, Y. 08389
Itoh, A. 03888
Itoh, E. 03340
Itoh, H. 03851
Itoh, K. 00947
01496
01589
03252
04195
Itoh, K. 0921
Itoh, T. 0104
0121
0324
0325
0379
0431
0484
0808
Itzikowitz, S. 0473
Ivanov, A. 0153
Ivanov, A.S. 0325
Ivanov, B.N. 0915
Ivanov, B.Y. 0663
Ivanov, G.V. 0195
Ivanov, S.A. 0024
Ivanov, S.I. 0683
Ivanov, S.S. 0427
Ivanov, S.V. 0842
Ivanov, V.I. 0034
0197
0515
Ivanov, V.M. 0342
Ivanov, Yu.V. 0951
Ivanovich, M.D. 0591
Ivashchenoko, V.M. 0111
Iversen, T.M. 0306
Ives, J.C. 0506
Ivey, E.S. 0035
Iwahara, M. 0679
Iwai, S. 0356
Iwai, T. 0282
Iwamoto, M. 0425
0428
0667
Iwamoto, S. 0014
Iwamoto, Y. 0430
Iwamura, H. 0095
0432
Iwasa, T. 0434
Iwasa, Y. 0273
0414
0415
0419
Iwasaki, H. 0028
Iwasaki, S. 0588
Iwasaki, S.I. 0587
Iwata, H. 0825
Iwata, K. 0709
0815
Iwata, S. 02711
Iwata, Z. 02475
Iyengar, V.S. 00600
Iyer, B.R. 03154
Iyer, S.R. 06691
Iyoda, I. 06594
Izadian, J.S. 03208
Izadnegahdar, A. 05291
Izpura, J.I. 05080
Izrael, A. 00818
Izumiyama, N. 06317
Izupak, E.A. 06897
Izyumov, S.V. 07394

Ja, Y.H. 06502
08948
Jaacks, R.G. 01907
Jabbour, K. 08433
Jabionski, D.G. 08109
Jacard, B. 08084
Jachner, J. 01576
Jack, M.A. 08790
Jack, S.R. 05025
Jacka, C. 07134
Jackinsl, P.D. 01529
Jackowski, M.E. 00135
Jackson, D.W. 08143
08164
Jackson, G.L. 01096
Jackson, J. 04135
Jackson, J.B. 09339
Jackson, M.J. 03693
Jackson, R.A. 00630
Jackson, R.D. 00076
07032
07036
Jackson, R.H. 00937
Jackson, S.A. 04163
Jackson, S.B. 04572
Jackson, W.D. 08283
Jacob, K.P. 04602
Jacobs, B.D. 01667
Jacobs, D.A.H. 06819
Jacobs, E.P. 01233
07649

cobs, H. 08067
cobs, O.L.R. 06853
cobsen, P.E. 03067
cobson, R.A. 08603
cobsson, J.R. 06877
cobus, A. 06750
cquet, G. 03722
.... 04717
eger, G. 00251
eger, K. 02509
eger, R.C. 01220
.... 02316
.... 05980
fek, B.J. 00531
ffe, L.D. 08336
ffe, R.S. 04770
ger, G. 01998
ggard, K.W. 00547
godzinski, P. 06018
hns, J. 05227
in, A. 03707
in, A.K. 01018
in, F.C. 08093
in, K. 09051
in, K.C. 07612
in, L.C. 09290
in, P. 07605
.... 09207
.... 09210
in, P.C. 06370
in, S.C. 02499
in, V.K. 08167
.... 09588
katdar, P. 04790
kob, B. 04229
.... 04259
kobsen, K.R. 06404
ksic, M. 03341
kubczyk, G.M. 05614
kubiuk, K. 06401
kubowski, A. 00733
.... 04366
llo, W.D. 03062
mal, H. 02411
.... 08798
mes, G.L. 01059
mes, J. 03242
mes, W. 05372
meson, J.N. 04729
mieson, T.H. 00809
mjoum, O. 00785
mpen, U. 00084
mzadeh, F.S. 04294
n, Y.G. 04642
nakiraman, N. 07995
.... 07996
nata, J. 04426
.... 07582
ng, S.-J. 09373
niczek, P.M. 03092
nis, W.J. 01739
nischewskyj, W. 01036
nkevicius, R. 01101
novsky, I. 03916
nsen, M. 02501
nsen, R.H. 09100
nssen, P. 05046
nssens, R. 02499
nsson, R.E.W. 03329
nta, J. 07482
ouen, C. 08822
ramillo, S.A. 05163
.... 05584
rc, D.A. 04873
res, A. 02152
rvis, N.L. 02002
rvis, O.N. 00383
rvis, R.A. 02560
rzynski, J. 07756
smin, G. 04881
srotia, V.S. 02155
tar, S. 00806
tteau, M. 05159
ved, M.T. 07147
vid, S.H. 08351
walekar, S.R. 03901
yakumar, R. 00667
yaraman, R. 05177
an, P.N. 00481
.... 03652
an, Y. 03276
anjean, R. 06590
ansoulin, R. 08938
dlicka, M. 07334
ffcoat, C.M. 09339
ffrey, B. 07674
Jelatis, G. 05826
Jelatis, G.D. 04636
.... 04637
Jenkins, J.M. 03677
Jenkins, L. 03314
.... 05008
Jenkins, W.K. 02370
.... 06289
.... 08785
Jennings, P.I. 06034
Jennings, R.E. 00276
Jenq, Y.-C. 06269
Jensen, A.S. 01008
Jensen, B. 01117
Jensen, J.R. 02184
Jensen, O.G. 02176
Jensen, S.J. 03067
Jensen, W.M. 06076
Jenssen, H.P. 08990
Jentner, W. 00444
Jerew, D.H. 01270
Jerie, H.G. 02244
.... 02255
Jeruchim, M.C. 09407
Jesch, R.L. 04357
Jespersen, J.L. 06781
Jett, W.B. 05454
Jeunhomme, L. 09356
Jeutter, D.C. 06990
Jewell, W.T. 01721
Jewett, R.E. 04064
.... 04080
Jewett, W.M. 07920
Jewulski, J. 08302
Jeyasurya, B. 01730
.... 01731
.... 06573
Jha, C.S. 01691
.... 06533
.... 06555
Jha, M.K. 00595
Ji, C. 06722
Ji, C.-R. 01186
Jia, Y.-R. 05669
Jifuku, Y. 04884
Jiles, D.C. 00318
.... 01997
Jillie, D. 05988
Jillie, D.W. 04070
.... 04211
.... 04222
.... 04240
.... 05796
Jimbo, M. 03659
Jimenez, F.L. 04960
Jimenez, J.J. 07366
Jinaga, B.C. 08746
Jinbo, W.S. 01459
Jindal, R.P. 07540
Jing, B.-H. 04127
Jing, Z. 05465
.... 08747
Jiqun, S. 03935
Jirmann, J. 06737
Jishiashvili, D.A. 02780
Jiwaji, N.T. 03417
Joe, D.M. 08130
Joel, A.E.,Jr. 06264
Joergensen, E. 04180
Joestel, J. 02622
Jofre, L. 00047
.... 05291
Johannessen, R. 09318
John, D. 04780
John, G. 08180
Johndahl, D.W. 00132
Johns, M.D. 08409
Johnson, B.W. 00609
Johnson, C.C. 03948
Johnson, C.R. 04956
Johnson, D.A. 08140
Johnson, D.C. 01348
Johnson, D.G. 08779
Johnson, D.H. 04684
.... 04975
Johnson, D.L. 03779
.... 08473
Johnson, E.O. 04345
Johnson, G.B. 01042
Johnson, G.E. 01514
Johnson, G.J. 07173
Johnson, H.A. 01535
Johnson, J. 01104
.... 02677
.... 05401
.... 08712
Johnson, J.E. 01121
Johnson, J.W. 04613
.... 08670
Johnson, K. 01684
Johnson, L.C. 01007
Johnson, L.V. 01248
Johnson, M.R. 03344
Johnson, R.E. 01271
Johnson, R.I. 01506
Johnson, R.J. 01498
Johnson, R.K. 03397
Johnson, R.V. 07311
Johnson, R.W. 04219
.... 04757
.... 09535
Johnson, S.G. 04974
Johnson, S.M. 00804
Johnson, T.A. 06778
Johnson, T.H. 08286
Johnson, T.L. 05171
Johnson, T.M. 01909
Johnson, V.L. 09485
Johnson, W. 04268
Johnson, W.D. 08642
.... 08643
Johnston, D.A. 04532
Johnston, G. 03187
Johnston, K.W. 02152
.... 02153
Johnston, R.H. 03696
Johnston, R.L. 01216
Johnston, S. 00932
.... 00938
Johnston, S.L. 09509
Joly, R. 06002
Jones, C.R. 01909
.... 03487
.... 03887
Jones, C.V. 08136
Jones, D. 03226
Jones, D.H.S. 07508
Jones, E.R.,Jr. 08893
Jones, H.C. 02006
.... 06159
Jones, H.G. 05686
Jones, H.S.,Jr. 04510
Jones, J.R. 03170
Jones, K. 01468
.... 03048
Jones, K.A. 03940
Jones, L.L. 06913
Jones, M. 08802
Jones, M.D. 00836
Jones, P.L. 00971
.... 04561
Jones, P.R. 06070
Jones, R.M. 08614
Jones, R.V. 04476
.... 05996
Jones, R.W. 09123
Jones, T.A. 03541
.... 03545
.... 08419
Jones, T.B. 01523
.... 08449
Jones, W.H. 04928
Jones, W.L. 08649
Jonnatti, A.J. 01088
Joosse, C. 09491
Joost, M.G. 06207
Jordan, A.S. 05241
Jordan, H. 03290
Jordan, R. 09502
Jordan, T.M. 01154
Jordan, T.R. 08646
Jorne, J. 04971
Jory, H.R. 00043
Joscelyn, K. 05430
Joseph, R.I. 01607
.... 03495
Josephs, L.C. 08786
Josephs, R.M. 04079
Joshi, A. 02854
Joshi, A.G. 00726
Joshi, D.P. 07457
.... 09079
Joshi, J.N. 03566
Joshi, J.S. 01217
Joshi, S.S. 01751
Jospeh, J.D. 00610
Jourdain, G. 07936
Jourdain, M. 00730
Journee, H.L. 00523
Jovanovic, V. 09555
Joy, E.B. 01727
.... 04903
Jozwikowska, A. 05143
Jozwikowski, K. 05143
Ju, X.-D. 08094
Juang, H.-K. 01801
Judd, F.F. 05857
Juergens, R.J. 04046
Jufer, M. 06518
Juh, T.L. 00794
Juhasz, A.J. 04967
Juhnke, K. 02946
Julien, F. 07410
Jullens, R.A. 01161
Julliere, M. 07430
Jung, K.-Y. 04733
Jung, T. 05918
.... 07270
Jungerman, J.A. 02137
Jungerman, R.L. 04344
Junyent, G. 06252
Jurczyszyn, M. 09356
Jurgen, R.K. 00625
.... 02966
Jurkus, A. 03233
Juroshek, J.R. 06069
Justi, E.W. 06648
.... 06649
Juszkiewicz, R. 03443
Jutzi, W. 01022
.... 04062

Kabanov, S.S. 05785
Kabayashi, K. 01519
Kabelac, W.J. 05816
Kachalin, V.A. 05151
Kachi, T. 08968
Kachinskii, V.N. 01884
Kaczmarczyk, J.K. 06018
Kadatani, K. 00718
Kadish, A. 00053
Kadlec, J. 04077
Kaellbaeck, B. 00800
.... 02512
.... 05636
Kaerkkaeinen, P. 08562
Kaevitser, V.I. 01329
Kafrawy, K. 00642
Kagan, M.B. 00213
Kaganov, Z.G. 00322
Kagawa, S. 07258
Kageyama, T. 08828
Kahana, N. 02324
Kahlman, J.A. 02599
Kahn, A.H. 00022
.... 00039
Kahn, S.R. 05124
Kahnt, H. 01127
Kai, K. 03905
Kaiho, K. 04201
Kailath, T. 03820
.... 07122
.... 07893
.... 07969
.... 09589
Kain, R.Y. 05396
Kainer, G.B. 07222
Kainthla, R.C. 02502
Kaiser, C.J. 09041
Kaiser, J.A.C. 00563
Kaiser, M.L. 00583
Kaiser, P. 07758
Kaiser, R. 02831
Kaiser, W. 09023
Kaiser, W.J. 07504
Kaito, J. 08205
Kajfez, D. 03242
Kaji, I. 01724
Kajikawa, M. 01548
.... 02083
.... 02434
.... 02975
.... 06181
Kajitani, Y. 02813
.... 05488
Kajiura, M. 01519
.... 02961
Kajiwara, M. 06351
Kak, A.C. 02576
Kakar, R.K. 00532
.... 04821
Kakehi, K. 01589
Kakimoto, A. 02682
Kakimoto, N. 04958
Kako, N. 08930
Kako, Y. 00718
Kakuyama, S. 02961

Kalafus, R.M. 07857
Kalagian, G. 09401
Kalashnikov, M.P. 06635
Kalata, P.R. 09493
Kalayeh, H.M. 05346
Kalesinskas, V. 01101
Kaletka, J. 05247
Kalibjian, R. 00764
Kalin, A.A. 00344
Kalin, T. 07082
Kalinenko, A.G. 06049
Kalinin, N.P. 02664
04348
Kalinin, Y.T. 08704
Kalinov, V.S. 08974
Kalish, J. 07983
Kallis, J.M. 08328
Kallman, R. 06031
Kalma, J.D. 03712
Kalmykov, Yu.P. 07535
Kalnay, E. 08678
Kalosha, V.P. 02651
Kalouptsidis, N. 04798
05462
Kalyan, V.K. 01862
Kam, P.Y. 01558
09567
Kamae, T. 09434
Kamai, T. 02961
Kamal, S.S. 03041
Kamalov, R.R. 02621
Kamas, G. 06781
Kamata, I. 08212
Kamata, T. 04495
Kamath, G.S. 05644
Kameda, S. 03003
Kamei, K. 03850
Kamel, F.M. 05648
Kamenev, Yu.B. 06657
Kameyama, A. 08964
Kamgar, A. 01216
Kamihara, M. 02007
Kaminosono, H. 04265
04287
Kaminow, I. 09115
Kamio, K. 02601
Kamioka, H. 01969
Kamp, Y. 02380
Kampf, N. 06234
Kan, K.K. 01136
Kanada, T. 07715
07763
Kanade, T. 03452
Kanaev, A.S. 00615
Kanai, H. 06525
Kanai, T. 05937
Kanal, L.N. 00539
Kanamaru, M. 05123
Kanaya, R. 00436
Kanayama, M. 03906
Kanbe, H. 00776
05936
Kanber, H. 04408
Kanda, E. 03533
Kanda, M. 02046
Kanda, Y. 03426
Kandiah, K. 05521
Kandpal, T.C. 00204
Kane, R.J. 06638
Kane, T.J. 05752
Kane, T.R. 03644
Kaneda, H. 04074
Kaneda, T. 07258
Kaneko, K. 04027
Kaneko, T. 03084
Kaneko, Y. 08810
Kaneku, S. 01555
Kanellopoulos, J.D. 05889
Kanely, J.R. 06150
Kanemaru, K. 08205
Kaneshiro, R.T. 05454
Kaneto, K. 00839
01793
Kang, S.Y. 01521
Kanicki, J. 05147
05641
Kanmuri, N. 04779
Kannari, F. 07413
Kanniah, J. 04889
04894
Kanning, G. 06282
Kanno, Y. 06580
Kano, G. 05501
07613
09249
Kano, S. 08775
Kano, T. 06143
Kanoi, M. 01091
Kantor, C.S. 01454
Kantserov, V.A. 06871
Kanupke, W.C. 03022
Kanz, J.W. 02784
Kanzawa, R. 02627
Kanzow, J. 01366
Kao, K.C. 02488
09177
Kao, Y.H. 01019
Kapilevich, B.Yu. 07492
Kaplan, B. 07206
Kaplan, B.Z. 05529
05535
Kaplan, G. 01850
03769
03882
07826
09557
Kaplan, H. 09068
Kaplan, R.H. 07636
Kaplan, S.B. 04082
Kaplow, R. 03933
Kaplun, I.M. 05035
Kapon, E. 04013
Kappenman, J.G. 02642
Kapral, C.W. 05450
Kapron, F.P. 07736
Kaptein, M. 08381
Karabaev, G.F. 03232
Karagounis, V.A. 01279
Karaguleff, C. 09107
Karakida, S. 08027
Karakov, I.E. 09543
Karam, N. 05145
Karasaki, K. 04501
Karasalo, I. 07913
Karasawa, Y. 02009
Karasek, M. 03924
Karavaev, G.F. 00320
01945
03230
Karavatos, W.P. 01465
Karcher, E.A. 07304
Karev, Y.I. 08969
Karidis, J.P. 05094
05234
Karikh, E.K. 08979
Karim, M.R. 03199
Karimov, M.G. 06715
Karloski, D. 05854
Karlova, G.F. 00320
Karmakar, S. 03860
Karmazinskii, A.N. 07652
Karni, S. 05510
Karnopp, D. 01950
09137
Karovetskii, V.N. 09159
Karpel'son, A.E. 05112
09136
Karplus, K.J. 06020
Karpukhin, V.T. 04033
Karras, M. 00345
Kartashova, A.N. 00244
Karthikeyan, M. 08002
Karulkar, V.T. 05960
Karunathilaka, S.A.G.R. 03322
03331
03339
Karvelas, D.E. 01428
Karzmark, C.J. 02128
Kasahara, J. 05976
Kasarabada, C.R. 01283
Kasatkin, B.A. 02658
09125
Kasemset, D. 08908
Kashihara, T. 01515
Kashiki, K. 07956
Kashima, Y. 05632
Kashintsov, V.I. 03884
Kashiwabara, S. 07411
Kashiwagi, T. 09037
Kashyap, R. 04565
07337
Kasimov, I.K. 03555
Kasimovskii, A.A. 06747
Kassabov, J. 04401
Kassakian, J.G. 07595
Kassam, M. 02152
02153
Kassam, S.A. 01597
06337
09565
Kastalsky, A. 05075
07569
Kasten, D.G. 05432
Kastner, A.R. 05293
Kastner, C.J. 07032
08661
Kastner, M. 05160
Kastner, R. 01621
Kasturi, R. 06311
Kasvand, T. 05361
Kaszuba, W. 00772
00789
Katagiri, K.-I. 07706
Katagiri, T. 09387
Katakura, M. 03072
Kataria, N.D. 02614
Kataria, S.K. 03566
Katayama, K. 01836
03350
04864
Katayama, S. 01362
Katayama, Y. 09234
Katehi, P.B. 00057
Kathnelson, J. 02272
Katnani, A.D. 02710
Kato, I. 08551
Kato, K. 02835
04406
04442
05542
07412
Kato, K.G. 00036
Kato, M. 07831
09438
Kato, N. 01198
04430
Kato, T. 00094
00099
02867
02872
04253
04269
08862
Kato, Y. 00960
05976
06139
09352
Katsu, S. 05501
Katsuhata, M. 00252
Katsuki, K. 04905
06594
08175
Katsumata, A. 08197
Katsura, K. 06004
Katsuyama, T. 05681
07831
Katsuyama, Y. 01326
06156
Katsyuba, O.A. 00599
09576
Katti, Y. 00205
Katto, H. 02801
Katulin, V.A. 00981
Katz, A. 04016
Katz, C. 08849
Katz, C.,Sr. 00101
Katz, I. 00470
Katzberg, S.J. 04339
Katzir, A. 00978
Kauffman, R.L. 05745
Kauffman, R.N. 07533
Kauffmann, J.-M. 03612
Kaufman, H.R. 05267
08280
Kaufman, J.H. 08501
Kaufman, L. 03440
04113
Kaufmann, E. 03400
Kaufmann, H. 08568
Kaufmann, R. 05836
Kaul, A. 03069
Kaul, A.K. 04601
Kaul, S. 02589
Kaumanns, R. 09239
Kaun, T.D. 00189
Kaushik, S.B. 05986
09252
Kaushika, N.D. 00205
Kautz, A.D. 02485
Kautz, R.L. 04092
04101
Kavanaugh, S.J. 06407
Kawabata, K. 08116
Kawabe, D. 08076
Kawabe, U. 04069
Kawabe, Y. 04489
Kawagoe, E. 01723
02635
Kawahara, M. 0044
Kawahira, H. 0775
Kawai, H. 0402
Kawai, T. 0019
Kawaka, H. 0916
Kawakami, H. 0715
Kawakami, S. 0265
Kawakami, T. 0580
0898
Kawakatsu, H. 0568
Kawamata, M. 0710
Kawamoto, G.H. 0597
Kawamoto, Y. 0048
0922
Kawamura, A. 0346
Kawamura, S. 0282
Kawamura, T. 0658
Kawanishi, K. 0388
Kawano, M. 0296
Kawano, N. 0683
Kawasaki, B.S. 0134
Kawashima, K. 0847
Kawashima, T. 063
Kawata, Y. 022
Kawatani, Y. 058
Kawazu, M. 082
Kawazu, S. 060
Kay, S. 0631
Kay, S.M. 0311
095
Kayano, S. 044
Kaye, M. 080
Kaye, R.J. 082
Kayran, A.H. 037
Kayukawa, N. 017
Kazak, E.P. 058
Kazak, I.A. 057
Kazakos, D. 031
Kazakov, V.G. 068
Kazarinov, R.F. 089
Kazimi, M.S. 001
Kazimierczuk, M. 071
071
075
088
Kazintsev, V.A. 018
Kazmerski, L.L. 007
Kazmierczak, H. 056
Kazmierski, K. 008
Kazumi, M. 029
Kazumura, M. 092
Keane, L.M. 077
Keane, R.A. 042
Kearney, K.J. 073
Kearney, P.O.,Jr. 094
Keasler, W.E.,Jr. 062
Keavney, C.J. 056
Keck, D.B. 077
Keddar, N. 049
Kedem, G. 060
Kedem, O. 023
Kedzia, J. 065
Kedzior, A. 0807
Keener, J.P. 0604
Keeney, R. 0394
Keer, L.M. 016
Keever, M.R. 011
Kehinde, L.O. 0684
Kehler, P. 035
Kehler, T.P. 0507
Keifer, M. 030
045
Keil, R. 0844
Keil, R.P. 032
Keith, R.H. 094
Keith, T.G. 026
Kelkar, S.S. 004
0714
0714
Keller, E.M. 0393
0561
Keller, H.J. 0478
0478
Kelley, E.F. 0108
Kelley, R.B. 0399
Kellogg, L.S. 0074
0074
Kelly, A.J. 0065
0845
Kelly, A.L. 0413
Kelly, J.G. 0277
Kelly, M. 0765
Kelly, M.J. 0282
Kelly, R.J. 0695
Kelly, R.L. 0941
Kelsall, G.H. 0830

lsall, G.H. 08314
.... 08315
lsey, J.A. 07731
mmer, J. 06887
mp, D.R. 00409
n, W.D. 00725
ndall, D.J.W. 03785
njo, S. 00717
nmochi, Y. 00706
nna, J.P. 00217
ennair, J.T. 03531
ennedy, E.T. 05052
ennedy, H. 08639
ennedy, L. 01432
ennedy, T. 00128
ennedy, W.K. 07161
enney, G.C. 01518
enville, R.F. 01495
enway, D. 06307
enyon, R.V. 03998
ephart, R. 04129
eramidas, V.G. 01219
.... 02491
eresztenyi 04300
ermani, P. 01410
.... 04580
erns, J. 06639
err, A.R. 03674
err, R.G. 06638
err, S.C. 06230
ershenbaum, A. 06270
erslake, W.R. 08615
ersting, W.H. 08261
erszenbaum, I. 08166
eshavan, S.Y. 00262
.... 05661
eshtbod, P. 04413
eskinen, M.J. 07065
essler, J.N. 07782
essler, S. 01005
etchen, M.B. 04176
etchpel, D.P. 08890
etchpel, R.D. 08890
etchum, R.D.,Jr. 07026
eyhani, A. 01861
.... 04961
.... 05432
eyser, G.L.,Jr. 02279
hafizov, R.S. 08704
haikin, E.M. 05539
hait, A.D. 07522
hakimov, Kh.Sh. 05668
haldina, Yu.L. 08492
halileev, P.A. 05831
hamrakulova, V.V. 09145
han, A.A. 03422
.... 08395
.... 09185
han, H.J. 08326
han, I.A. 02357
han, P.J. 07897
han, S. 03228
handetskii, V.S. 06833
hanova, E.S. 00213
hantsis, B.G. 00219
hapalyuk, A.P. 02651
har'kovskii, S.N. 04812
harchuck, V.A. 02323
haritonov, A.V. 00023
haritonov, V.V. 07421
hashan, M.A. 05731
hashchina, M.V. 09144
havaran, A. 08480
hilla, A.-M. 02649
hilnani, G. 03552
hitrov, V.G. 08830
hlopotunova, N.A. 00330
hludkov, S.S. 08505
.... 09188
hlus, V.A. 04122
hoe, G.D. 09385
hoi, N.T. 00848
hokle, W.S. 03245
.... 04432
.... 06078
.... 08852
hol'kin, O.I. 01989
holondyrev, S.V. 00597
.... 07086
hondker, A.N. 05901
.... 05902
hosa, P.N. 08706
hotuntsev, Yu.L. 03839
hotyanovich, S.I. 05552
hramov, A.V. 02654
hramtsov, S.I. 04330
Khristov, I.P. 00840
Khu, K.T. 08219
Khuri-Yakub, B.T. 04344
Khuwatsamrit, T. 03300
.... 03301
.... 08147
Khvalebnov, Yu.P. 01073
Kiang, Y.-W. 01622
.... 01631
.... 08087
Kida, T. 02390
.... 02405
Kidd, J. 04208
Kido, G. 01670
.... 01949
.... 02736
Kieckhafer, R.M. 07627
Kiehl, R.A. 01219
Kiehnscherf, R. 01694
Kiel, F. 06205
Kielich, S. 08008
Kiesel, W.M. 04631
Kihara, N. 02916
Kihara, T. 06004
Kiil, J. 03016
Kikuchi, A. 02711
Kikuchi, F. 06797
Kikuchi, K. 01443
.... 04370
.... 08198
Kikuchi, M. 02432
Kikuchi, S. 00426
Kildal, P.-S. 04847
Kilgore, L.A. 01702
Kilgore, V.O. 07830
Killeen, P. 03594
Killeen, T.L. 02280
Kilmer, R. 04948
.... 05854
Kilty, L.R. 06150
Kim, B. 08071
.... 09546
Kim, B.G. 07993
Kim, B.K. 02075
.... 05203
Kim, B.S. 03625
Kim, B.Y. 07747
Kim, C.-J. 02581
Kim, C.-S. 06500
Kim, C.K. 05989
Kim, D.I. 04573
.... 05499
.... 08076
Kim, D.M. 05901
.... 05902
Kim, E.M. 06123
.... 07768
Kim, H. 09302
Kim, H.C. 06861
Kim, H.K. 00677
Kim, H.S. 06729
Kim, J. 08545
Kim, K. 01397
Kim, K.S. 00035
Kim, M.E. 08908
Kim, M.K. 02701
Kim, N.-M. 07986
Kim, O.K. 02493
Kim, S. 05165
Kim, S.H. 04132
.... 04223
Kim, S.S. 08578
Kim, W. 02750
Kim, W.S. 04491
.... 06729
Kim, Y.M. 03779
Kimata, Y. 02959
Kimes, D.S. 07036
Kimmel, D.S. 04928
Kimura, H. 03037
.... 06434
.... 08208
.... 09574
Kimura, K. 07637
Kimura, M. 08978
Kimura, S. 02845
.... 03766
Kimura, T. 01356
.... 04025
.... 05823
.... 07699
.... 07767
Kimura, Y. 04189
King, C.N. 08894
King, H.E. 04854
King, J.H. 02756
King, K.R. 04123
King, N.S.P. 05163
King, P.C. 06305
King, R.A. 03781
.... 03795
King, R.D. 02340
King, R.J. 05546
.... 05547
King, R.W.P. 04811
.... 08016
.... 08829
King, S. 08363
King, T.A. 07349
King, W.C. 02491
Kinkead, A.K. 00937
Kinn, J.B. 00512
Kinnier, J.H. 07284
Kino, G.S. 04344
Kinoshita, K. 05239
Kinoshita, Y. 01457
Kintner, P. 05373
.... 05374
Kinuta, H. 03430
Kinzig, B.J. 06074
Kirby, C.G.M. 02272
Kirby, D. 01439
Kirby, S. 01954
Kircanski, N. 03600
Kirchhoff, G. 01988
Kirchner, J. 01282
.... 01374
Kirchner, P.D. 09182
Kirk, D.E. 03124
Kirk, D.L. 04974
Kirkham, K. 08172
Kirkpatrick, S. 02809
Kirkwood, S.C. 04711
Kirlin, R.L. 06331
Kirner, F.K. 00265
Kirrmann, H. 00601
Kirschning, M. 09100
Kirshner, D. 06689
Kirshtein, G.Kh. 08498
Kirtley, J.L. 01717
Kirtley, J.L.,Jr. 00228
Kirton, J. 00816
Kirton, P.A. 02395
Kisel, V.D. 01887
Kiselev, A.P. 08034
Kiselev, I.Ya. 03461
Kiselev, V.G. 01846
Kiselev, Y.A. 09157
Kishan Dass, B. 06366
Kishi, M. 04779
Kishi, N. 02341
Kishi, T. 05126
Kishida, H. 07097
Kishida, S. 07629
Kishimoto, M. 02074
Kishinevskiy, M.A. 00682
Kishizima, I. 01748
.... 06587
Kishkin, L.M. 01896
Kisliuk, M. 04833
Kita, Y. 09280
Kitada, N. 01924
Kitade, A. 07335
Kitagawa, K. 08466
Kitagawa, M. 08293
Kitai, R. 05372
Kitami, T. 07763
Kitamura, A. 09467
Kitamura, H. 03340
Kitamura, M. 09367
Kitamura, Y. 02486
Kitano, Y. 07668
Kitatani, K. 07313
Kitawaki, N. 01589
Kitayama, K. 06139
Kitchen, L.J. 03184
Kitis, L. 05250
Kitovich, V.V. 00813
Kittler, J. 05726
.... 07662
Kittleson, J.K. 02602
.... 03536
.... 05782
Kiyono, S. 03906
Kjarma, H.E. 08412
Kjeligren, J. 07914
Klaas, L. 07976
Klapman, R.N. 06095
Klapwijk, T.M. 02615
.... 04097
.... 05797
Klass, P.J. 02116
Klass, P.J. 03104
.... 05275
.... 05287
.... 06946
.... 09301
.... 09498
Klaudy, P.A. 04261
Klauminzer, G. 00915
Kleefstra, M. 06036
Klein, A. 08523
Klein, D.-L. 03677
Klein, F.N. 08413
Klein, G. 02640
Klein, H.-W. 03896
Klein, H.P. 02272
Klein, J. 00309
Klein, K. 00101
Klein, M. 04176
Kleinau, W. 00483
Kleine, U. 07139
.... 09599
Kleiner, C.T. 05894
Kleiner, P. 04739
Kleinpenning, T.G.M. 02723
.... 03114
Kleinrock, L. 01424
.... 06119
.... 07684
.... 09316
Klem, J. 07609
.... 09244
Klem, J.F. 08855
Klempel, D.D. 08219
Klepczynski, W.J. 03097
Kleper, M. 02303
Klesov, V.K. 05882
Kletter, D. 06320
Kliem, H. 02752
Klimenko, V.A. 01882
Klimkov, Yu.M. 09016
Klimovskii, I.I. 08970
Klinck, C. 06254
Klinger, L. 09170
Klinger, L.T. 01493
Klinkhachorn, P. 02804
Klionskii, M.D. 08426
Kloeve, T. 09583
Klueber, P.O. 04941
Klygin, A.V. 05034
Klyuev, V.V. 01073
Klyukvin, A.B. 06883
Knable, N. 07857
Knauer, K. 01269
Knauer, U. 03513
Knausenberger, W.H. 02847
Knecht, M.W. 04413
Knechtli, R.C. 05644
Kneff, D.W. 00746
Knepp, D.L. 01413
Knepper, D.H.,Jr. 08662
Knepper, R.W. 06778
Kneubuehl, F.K. 04002
.... 07068
.... 07320
.... 07353
.... 07398
Knieriem, A. 02064
Knight, A. 01427
Knight, D.J.E. 07406
Knight, G. 01493
Knipp, R.S. 02967
Knittl, Z. 00867
Knoben, J. 04288
.... 04293
Knoblauch, A. 06761
Knoche, K.F. 03323
Knoedler, R. 03334
Knoefel, B. 06717
Knoll, M.G. 05996
Knopp, J. 01125
Knorr, J.B. 08029
Knowdler, R. 00178
Knowles, J.E. 05875
Knudson, A.R. 01154
Knutti, J.W. 06199
Ko, C.-D. 06681
Ko, H.-W. 01801
Ko, K. 06436
.... 09571
Ko, P. 05978
Ko, P.-K. 02760
Ko, P.K. 02754
Ko, W.H. 07502
Ko, W.L. 08133
Koaizawa, H. 03320
Kobayashi, H. 00321

Kobayashi, K. 00748
00960
00960
02421
05005
06101
06368
08061
09367
Kobayashi, M. 04195
Kobayashi, N. 04939
06580
Kobayashi, R. 02627
Kobayashi, S. 04025
07699
Kobayashi, T. 01485
03085
06470
Kobayashi, Y. 07710
09284
Kobrimski, H. 06141
Kobrinski, H. 07766
Koburger, C.W.,Jr. 03094
Kocan, E.L. 06557
Koch, I.D. 08556
Koch, R.H. 04157
Kochanov, K.N. 08709
Kochenov, A.S. 01810
Kocher, M. 08942
Kocher, P. 04534
Kocher, T.E. 09143
Kocherov, N.P. 00743
Kochev, V.M. 05109
Kochhar, M. 04432
Kock, H.G. 09385
Kodaira, S. 03873
Kodama, M. 05082
08541
Kodzabasev, P. 01093
Koeder, O. 08374
Koehler, J. 04857
Koehler, W. 06214
Koelle, D.E. 00483
Koelsch, D.E. 05367
Koenig, F. 04259
Koeniger, M.E. 02667
Koepf, G.A. 09347
Koepke, K. 04225
Koepke, M. 06644
Koeppl, G. 01845
04937
08194
Koerber, B.W. 07432
Koermendi, I. 04300
Koerner, K. 08437
Koester, E. 05874
Koga, H. 00698
Koga, R. 05738
Koga, T. 00669
02937
Kogan, Sh.M. 03560
Kogan, V.B. 06867
Koger, P. 06639
Kogure, O. 06779
Koh, E.K. 03165
Koh, W.J. 05339
Kohanzadeh, Y. 01509
Kohara, M. 02806
Kohda, S. 07668
Kohda, T. 06941
Kohl, P.A. 04407
09370
Kohler, B. 08390
Kohler, W.E. 06279
Kohli, D.R. 08152
Kohno, A. 04495
Kohno, O. 04201
Kohno, Y. 08225
Koike, H. 00099
Koike, S. 04063
Koizumi, K. 04269
Koizumi, T. 03919
Kojima, H. 00133
01964
Kojima, K. 05683
06079
Kojima, M. 01690
Kojima, N. 00698
06148
Kojima, T. 08862
Kokini, K. 02795
Kokubun, H. 06368
Kol'dyaev, V.I. 05931
Kolassa, D.A. 02249
Kolb, C.E. 00485
Kolba, D.P. 06180
Kolba, D.P. 07887
Kolbasin, A.I. 08430
Kolbe, W.F. 01935
Kolcio, N. 00112
Kolcum, E.H. 00484
03635
07709
08581
Kolegov, V.G. 09160
Kolenda, T.J. 08276
Kolesar, D.C. 05028
Kolesnik, Ju.S. 04173
Kolesnik, V.T. 06899
Kolesnikov, A.E. 09135
Kolesov, I.A. 08804
Kollar, J. 01456
Kollberg, E. 06494
Koller, A. 01575
Kollin, G. 03880
Kolloff, F.C. 03774
Kolmogorov, V.N. 08482
Kolodii, Z.A. 01879
Kolodziej, W.J. 08749
09590
Kologrivov, V.A. 08804
Kolotov, O.S. 06783
Komaki, S. 07689
Komarov, V.A. 01608
01942
09140
Komatsu, H. 08627
Komatsu, S. 02937
05545
Komatsu, Y. 02422
05123
05621
05622
05623
07282
Komerath, N.M. 00357
Komine, H. 00903
Komisarczuk, J. 06490
Komissaruk, V.A. 00869
Komlev, V.P. 08833
Kommers, T.A. 00132
Komuro, K. 09412
Komyak, N.I. 06743
Kon, A.I. 06850
Kon, S. 08968
Konakova, R.V. 09190
Konangi, V. 03167
Kondo, K. 02953
05165
Kondo, M. 02047
05600
06317
Kondo, S. 01692
Kondrashov, A.V. 06728
08324
Kondrat'ev, E.F. 05884
Kondratenko, A.N. 08060
Kondratova, L.P. 00593
Kondratskii, V.Ya. 01973
Konevskii, L.M. 05109
Kong, J.A. 05359
Konheim, A.G. 07997
Konkashbaeva, R.S. 04033
Konno, H. 03347
Konno, T. 03906
Kono, M. 05230
Kono, M.E. 07050
Kono, S. 06739
Kono, T. 02961
Konofalov, V.P. 08609
Konomi, T. 01675
Konovalov, O.S. 00258
Konovalov, V.I. 08831
Konrad, A. 06801
06802
Konradi, A. 08284
Konstantinova, E.M. 00215
Konstantinyan, K.I. 04098
04193
Kontani, T. 09467
Kontorov, M.D. 06049
Koons, H.C. 02109
Koons, H.V. 04845
Kop'ev, P.S. 08421
Kopainsky, J. 08240
Kopanskii, A.G. 09081
Kopeika, N.S. 05678
Kopp, L. 03133
Kopp, W. 05577
05983
07609
Kopp, W.F. 08855
Kopp, W.F. 09244
Koppel, L. 05745
Kopylov, E.A. 06465
Kopylov, S.I. 04148
Kopylov, V.V. 01945
Kopytin, Yu.D. 09516
Korb, R.W. 02807
Kordic, S. 01955
Korematsu, J. 09279
Koren, I. 06012
06044
Koren, U. 00923
Koretskii, A.V. 08505
Korn, G.A. 05418
Kornev, V.K. 04068
Kornilov, S.A. 04373
Kornilov, S.G. 09067
Kornyushkin, N.A. 06885
Korol'kov, V.A. 09516
Korolenko, L.I. 05139
Korolev, M.V. 05112
09136
Korolev, V.D. 09136
Koroleva, T.P. 09158
Korony, Gh. 09169
Koroteev, N.I. 06715
Korotkov, S.V. 01753
Korotkov, V.S. 06785
Korotky, S.K. 08912
Kortanek, K.O. 09305
Korth, A. 07066
Korukov, N.A. 08508
Korya, R.R. 03997
Korzeniowski, P. 09396
Korzhik, V.I. 06377
Kosaka, M. 05738
Kosaka, S. 01250
04105
Kosakowski, J.E. 00937
Kosalos, J.G. 06304
Kosaly, G. 08326
Kosareva, R.D. 03305
Koschik, V. 02642
Koseki, M. 01051
Kosemura, K. 09248
Koshelets, V.P. 04098
04193
Koshiba, M. 05108
08023
08027
Koshiishi, M. 02475
Koshima, S. 04703
Koshimoto, Y. 01092
Koshinuma, T. 00692
Kosichnik, Yu.V. 07385
Kosovskii, D.I. 05845
Kostas, D.J. 04661
Kosterich, J.D. 07014
Kostic, B. 07776
Kostromin, V.P. 03476
03855
Kostuk, R. 00896
Kostyukov, N.S. 03305
Kosyachenko, L.A. 07554
Kota, S.L. 06182
Kotaki, H. 02951
Kotani, H. 05753
Kotani, M. 07143
Kotani, N. 06045
Kotchetov, I.V. 07394
Kotera, N. 04069
Koteras, J.R. 04995
Kothari, D.P. 07477
Kothari, N.C. 06470
Kothari, P.C. 04540
Kothari, S. 04796
Kotheimer, W.C. 08235
Kotlov, Yu.N. 07385
Kotlyachkov, M.I. 06465
Kotlyar, Ya.A. 02447
Kotnala, R.K. 07266
Kotomtseva, L.A. 08971
Kotorman, L. 06065
Kotov, Yu.A. 06772
Kotter, F.R. 00095
00753
07476
Kotze, I.A. 02544
Kotzebue, K.L. 08823
Koul, S.K. 04301
07470
Kourtis, A.M. 06398
Kousaka, Y. 01924
Kouvaras, N. 06349
Kovac, J. 00588
Kovacs, A. 04616
Kovacs, I. 043
Kovacs, K.P. 065
Kovacs, P. 014
Kovacs, P.K. 032
Kovacs, R. 066
Kovalenko, A.D. 085
Kovalev, I.P. 090
Kovalev, V.I. 090
Kovalevskaya, G.G. 075
Kovchavtsev, A.P. 024
068
Kovrizhko, A.F. 000
Kovyazin, Yu.A. 024
058
Kowalski, D. 015
Kowalski, D.C. 014
091
Kowalski, E.D. 045
Kowalski, M. 059
Kowalski, P. 072
Kowalski, T.J. 060
Kowatsch, M. 031
Kowel, S.T. 027
Koya, M. 049
Koyama, F. 073
Koyama, I. 037
Koyama, J. 039
089
Koyama, K. 042
Koyama, N. 038
Koyanagi, E. 007
Koyanagi, T. 028
Kozak, S. 001
Kozharinov, V.V. 084
Kozhevnikov, A.V. 040
Kozhin, D.I. 026
Kozicharow, E. 047
052
052
Kozicki, Z. 087
Kozin, G.A. 055
Kozintsev, V.I. 030
Kozlov, A.K. 017
Kozlov, B.P. 086
Kozlov, I.A. 012
Kozlov, M.I. 067
Kozlowski, R. 011
Kozman, T.A. 041
074
Kozorez, A.K. 005
Kraemer, J. 078
Kraft, K.H. 023
Kraft, L.A. 066
Kraft, R.E. 020
Kraft, R.P. 047
Kraftmakher, Ya.A. 083
Krahenbuhl, L. 010
067
Krall, A.D. 081
Kram, A. 0131
Kramek, J.P. 0451
Kramer, A.H. 0767
Kramer, B. 0537
Kramer, C. 0682
Kramer, D. 0852
Krapf, R. 0017
Krasnoshchekova, T.E. 0846
Krasnov, B.A. 0649
Krastina, A.D. 0915
Kraszewski, A. 0430
Kratochvil, J. 0758
Kratt, E.J.A. 0155
Kratz, H. 0102
Kratzer, R.H. 0175
Kraus, F. 0620
Kraus, U.E. 0295
Krause, J.T. 0938
Krauss, M. 0263
Krautschneider, W. 0274
Kravchenko, V.I. 0899
Kravtsov, A.E. 0588
Kravtsov, Yu.A. 0000
Kravtsova, L.P. 0036
Krawczyk, S.K. 0078
Kreilick, R.W. 0189
Kreindler, E. 0211
Kreinheder, D.E. 0377
Kreisler, A. 0755
Kreith, F. 0182
Krejsa, E.A. 0510
Kremer, R.E. 0269
Krenicky, A. 0175
Krenz, G.S. 0853
Krepeika, J. 0001
Kresin, V.Z. 0423
Kress, R.L. 0499

Kretschmer, F.F. 03174
Kretschmer, K.-H. 06038
Kretz, F. 01386
09587
Kreysa, E. 01894
01901
Kriedt, H. 02919
Krieger, C.I. 04132
04223
Kriegler, R.J. 02853
Krien, K. 06661
Krier, H. 03647
Kriesi, R. 00198
Kriezis, E.E. 01634
06449
Krigman, A. 03408
05032
05104
08383
08840
Krikelis, N.J. 06934
06936
Krile, T.F. 03770
07325
Krishan Wasan, S. 06366
Krishna, G. 06446
Krishna, M.M. 07247
Krishna, S. 09246
Krishnaiah, S. 03727
Krishnakumar, S. 08388
Krishnamoorthy, B.M. 01678
Krishnamurthy, M.R. 01678
Krishnan, R. 03271
06513
Krishnan, T. 03292
Krishtal, E.E. 08510
Kristensson, G. 03258
Kristiansen, M. 01096
Kritchman, E. 01827
Kroebel, W. 08680
08681
Kroenert, J.T. 03111
Kroger, H. 04070
04211
04222
04240
05796
05988
Krogh, B.H. 00087
Krohn, D.A. 01318
04340
Krohn, H. 04973
Krohn, M.D. 08662
Krolikowski, W. 07486
Krompak, D.J. 03616
Krone, S.M. 07939
Kronenberg, S. 08509
Kronrod, M.A. 00843
Kroos, K.A. 02625
Kropotov, A.Yu. 06899
Krotkus, A. 05072
Krotz, W. 05614
Krowne, C.M. 04853
Krstajic, N. 03341
Krueger, H. 02156
Krueger, J. 06825
Kruehler, W. 05907
Kruesi, W.R. 02891
02991
Krug, G.A. 01981
Kruger, C.H. 00161
Kruger, R. 03669
Kruglikov, S.S. 04361
Kruglov, B.V. 06635
Krul, J.A. 02023
Krumbein, S.J. 03886
Krumpelt, M. 08317
Krumpholz, G.R. 01855
Krumpschmid, O. 02462
Krumrein, G. 02831
Krupka, J. 00037
08078
Krupke, W.F. 07418
Krupnik, A.B. 04804
Krupnov, A.P. 00998
Krupp, B.M. 03706
Krupskii, N.P. 05537
Kruse, H.W. 05156
Krusius, J.P. 02746
07588
Krutilina, V.M. 00266
Kruzhalov, A.V. 02008
Kryder, M.H. 08925
Krynin, N.M. 08659
Kryukov, P.V. 07385
Kryzhko, V.V. 06770
Krzhizhanovskii, R.E. 02586
Kshnyakin, N.A. 08820
Ksienski, A.A. 01652
Ku, C.C. 07756
Ku, W.H. 07619
Kuan, T.S. 04219
Kuang, I.U. 04182
Kubalek, E. 03961
Kubiak, E.T. 02087
Kubik, S. 06251
Kubin, H. 02360
Kubina, S.J. 03254
Kubo, H. 08418
Kubo, K. 02949
Kubo, N. 02845
Kubo, T. 01516
Kubo, Y. 03897
Kuboki, S. 05542
Kubota, K. 02541
02976
08862
Kubota, S. 07755
Kubota, T. 04452
Kubota, Y. 04254
04272
Kuc, R. 05107
06991
Kucherov, Ya.R. 07459
Kuchinskaya, M.M. 03904
Kuchinskiy, V.P. 07454
Kuchnir, M. 04225
Kuchta, D.H. 09489
Kudo, I. 03267
Kudoh, O. 04478
04482
Kudryavtsev, V.G. 01156
Kuehlke, D. 08999
Kuehn, P.J. 04631
Kuehne, F. 04775
Kuemmerle, K. 04785
Kuepfer, H. 01021
Kueppers, D. 09385
Kuerten, H. 02750
Kuester, E.F. 09098
Kuettner, B. 01905
Kuffel, E. 00715
Kuffel, J. 00117
Kuga, H.K. 06385
Kuga, Y. 05741
Kuhn, A.T. 03327
Kuhn, K. 05752
Kuhn, M. 06103
Kuhn, W. 05614
Kujawinska, M. 04041
Kukhto, E.F. 07554
Kukimoto, H. 03464
Kukita, S. 09393
Kuklin, V.M. 08059
Kuksa, N.N. 08503
Kukushkin, A.V. 06418
06439
Kukushkin, V.A. 06873
Kul'chitskii, V.L. 08914
Kuleev, V.G. 07513
Kuleshov, A.S. 09156
Kuleshov, V.K. 09156
Kuliasha, M.A. 00149
Kulicke, B. 01085
Kulig, T.S. 08342
Kulik, I.O. 06875
Kulikov, I.I. 08508
Kulkarni, S.V. 01757
Kulkarni, V.P. 04598
Kull, D. 03025
Kulov, E.V. 01810
Kulshreshtha, A.P. 02514
Kumagai, N. 04316
Kumamoto, H. 06941
Kumamoto, K. 08959
Kumamoto, T. 09433
Kumar, A. 00055
00058
01244
02354
08056
Kumar, B.V.K.V. 01663
Kumar, G. 01384
Kumar, M. 03292
Kumar, P. 07477
Kumar, R. 08866
Kumar, T. 07371
Kumar, U. 08769
Kumaran, A.R. 00162
Kumaresan, R. 06327
07903
Kumashiro, Y. 00340
Kume, H. 01261
05589
Kumehara, H. 00325
Kummer, C. 00449
Kumura, M. 01193
Kunc, J.A. 07344
Kunft, W. 04649
Kung, S.-Y. 06024
Kunicki, J. 06018
Kunimatsu, T. 08862
Kunimi, N. 04653
Kuniya, K. 05937
Kunt, M. 08942
Kuntsevich, V.M. 00334
Kuntz, D. 05758
Kuntze, H.-B. 00420
Kunz, J.C. 05079
Kuo, J. 09246
Kuo, P.K. 04244
Kuo, S. 00166
06625
Kuo, W. 02065
Kuo, Y. 02065
Kuo, Y.-L. 05571
Kuper, T.G. 00019
Kupiszewski, A. 00043
Kupriyanov, M.Yu. 05795
05800
Kuramochi, K. 04267
Kuramoto, A. 01564
Kuramoto, Y. 00766
Kuranov, V.N. 01971
Kurasawa, R. 06529
Kurata, M. 07566
Kure, T. 09213
Kurenev, V.V. 05044
Kuribayashi, K. 05621
05622
05623
07282
Kurihara, N. 05005
06552
Kuriowa, H. 03002
Kurisu, M. 05165
Kurita, O. 02905
Kurita, S. 03928
Kuritsky, M.M. 03098
Kurmer, J.P. 04322
Kurnosov, A.K. 07394
Kurobori, T. 00967
Kurochi, N. 09421
Kuroda, H. 07723
Kuroda, K. 09148
Kuroda, O. 02320
Kuroda, T. 07312
Kurogochi, K. 02390
02405
Kuroiwa, K. 05757
Kurokawa, F. 08222
Kurokawa, T. 04309
Kurokawa, Y. 03550
Kurosaki, Y. 09037
Kurozaev, V.P. 05706
Kurtz, D.W. 02344
Kurtz, H.L. 09072
Kurtzman, C.R. 05207
05208
05209
Kuruganty, P.R.S. 01838
Kurumada, K. 02769
04399
Kurweg, U.H. 08984
Kusaba, T. 02268
Kusaka, H. 01391
03130
Kusaka, T. 02203
Kusakin, N.A. 09133
Kushner, H.J. 07123
Kushner, T. 05704
Kusian, W. 05907
Kusic, G.L. 08174
Kusko, A. 00071
Kustom, R.L. 03878
Kutsokon', V.D. 03865
Kutsuki, T. 02949
Kuttner, P. 00878
01504
Kuwa, S.-I. 03766
Kuwabara, K. 00706
Kuwabara, M. 07827
Kuwahara, H. 00091
00110
01719
Kuwano, Y. 00790
Kuyeva, V.P. 07454
Kuz'min, A.D. 08491
Kuz'min, S.O. 08702
Kuz'min, V.M. 05061
Kuz'min, V.V. 08499
09151
Kuz'mina, L.I. 09133
Kuze, E. 08913
Kuzmenko, P.J. 00164
Kuzmin, L.S. 04118
Kuznetsov, A.I. 07385
Kuznetsov, E. M. 01896
Kuznetsov, M. 07491
Kuznetsov, V.V. 06465
Kuznetsova, L.A. 09158
Kuzuma, Y. 08190
Kvasnevskii, I.P. 08498
Kwa, M.L. 08073
Kwa, W.S.Y. 00505
Kwan, H.-K. 03818
Kwan, K.W. 01168
Kwan, S.H. 04500
Kwark, Y.H. 05612
Kwasnitza, K. 04259
Kwiatkowski, W. 07518
Kwietniak, M. 00793
Kynast, E.E. 06581
Kynev, S.K. 00215
Kyprianidis, J. 01656
Kyrala, A. 00033
Kysar, C.J. 00199
Kysela, J. 03916
Kyura, N. 02049

L'Esperance, L. 09373
L'Hote, F. 03612
L'Huillier, J.P. 07013
L'vov, V.M. 00171
La Cruz, A. 05080
La Rocca, F.D. 09266
Labaar, F. 07548
LaBahn, R.W. 01615
Labib, K.B. 08633
Labichev, V.N. 00696
Labovitz, M.L. 02247
07024
LaBudde, E.V. 01498
Lac, Q.T. 01579
Lachner, A.F. 01169
Lacon, J. 03548
Lacoume, J.-L. 04750
Lacy, J.A. 02564
03749
Ladany, I. 04012
Ladbrooke, P.H. 02745
Ladner, J.A. 06571
Ladvanszky, J. 07190
Laehteenoja, M. 01347
Laetti, I. 02056
Laeuppi, U.V. 03260
Lafait, J. 06665
Lafferl, J.T. 03190
Laflere, W.H. 02713
Laforgia, D. 09568
Lafortune, M. 05308
Lafuente, L.M. 04763
Lage, C. 02862
Lager, D.L. 06411
Lagger, H. 01575
Lagier, R. 01012
Lagomarino, S. 05698
Lagomarsino, V. 04138
Lagoyannis, D. 02386
Lagunas-Hernandez, M.A. 06330
Lagunas-Solar, M.C. 00758
Lahat, M. 03129
Lahaye, J. 00777
03330
Lai, C.-M. 00270
Lai, J. 01654
Lai, J.Y. 03643
Lai, S.T. 05743
06974
Lajda, P. 08367
Lajoie-Mazenc, M. 06565
Lakase, Y. 06631
Lake, J.K. 02789
Lakehal, M. 06518
Lakervi, E.O. 08245
Lakhani, A.A. 05938
Lakhtakia, A. 06432
06989
Lakshminarayanan, V. 07003
Lakshmivarahan, S. 04796
Lalaeva, T.G. 02708
Lalauze, R. 03542
Lalevic, B. 04409

Lalevic, B. 05073
07592
Lam, B.P. 08243
Lam, D.K.W. 03920
08911
Lam, H.W. 02772
04404
Lam, K.-S. 05294
Lam, W.-C. 05294
Lam, W.W. 09065
Lamb, D.R. 07639
Lamb, T.S. 01598
Lambarelli, L. 07954
Lambert, S.R. 00566
Lambiris, M. 05530
Lambrecht, D. 04250
08342
Lambrecht, R.M. 00518
Lammons, C.H. 03393
Lamorte, M.F. 02510
05616
Lamothe, S. 05856
Lamoureux, G. 05599
Lamoureux, R.T. 02792
Lampariello, F. 08515
Lampert, C.M. 03363
Lancraft, R.E. 06283
Land, H. 03069
Landais, S. 09356
Landau, A. 02864
Landau, I.D. 07970
Landecker, T.L. 09321
Lander, V. 07205
Lando, J. 01277
Lando, J.B. 01014
04168
Landolt, D. 01805
Landrigan, J.K. 01778
Landry, J. 00529
Landsberg, P.T. 07381
Landstrass, M.I. 01204
Landy, C.F. 08166
Lang, R. 09000
Lang, S.W. 07898
Lang, T. 05398
Langbein, U. 09114
09117
Langdon, G.G.,Jr. 03126
Lange, A.E. 01901
Lange, M.J.W. 07737
Lange, M.S. 02024
Lange, Yu.V. 05840
07511
Langeneckert, N. 03402
Langer, E. 02632
02695
Langer, J.M. 05679
Langham, E.J. 00544
Langhans, R. 01289
Langley, T.W. 03392
Langlois, P. 00918
Langmann, U. 09282
Lankford, W.F. 07280
Lannes, W.J.,III 05006
Lanning, D.D. 04988
Lanskaya, O.G. 05897
Lanteigne, J. 01726
Lantos, B. 05225
Lanza, M. 08682
Laogun, A.A. 00528
LaPaugh, A. 06039
Lapik, R.M. 02457
Lapir, G.M. 07451
Laporta, P. 07352
Lapshin, P.A. 02429
Lapshinskii, V.A. 04461
Laptev, N.V. 08609
Larbalestier, D.C. 04164
Lari, R.J. 03459
06749
06763
Larkin, J.J. 05527
Larkins, G.L. 04168
Larkins, G.L.,Jr. 01014
Larkowski, W. 00772
LaRosa, R. 00812
Larsen, D.E. 03547
Larsen, W.R. 09593
Larson, R.E. 06685
Larson, T.M. 03599
Larson, W. 04181
Larzelere, W. 08263
Lash, A.A. 00908
07314
Lashgari, B. 02400
Laskorin, B.N. 02318
Lasseter, R.H. 01745
01871
Lat, M.V. 00103
Latawiec, K. 00393
Latchman, J.L. 00558
Lathrop, J.W. 05620
Latimer, P.J. 02630
Latombe, C. 03227
Lattarulo, F. 06843
Lattes, A. 03996
Lau, D. 07595
Lau, K.Y. 00923
05759
08909
09220
Lau, Y.Y. 07194
07358
Lauber, G. 01483
Laubstein, M. 00251
Lauby, M.G. 01869
08219
Laude, D.P. 06260
Laudise, R.A. 04569
Lauer, D.T. 05358
07029
Lauer, G.S. 05007
Lauer, J.L. 09036
Laufer, C.A. 09411
Laukaitis, J.J. 06876
Lauks, I. 04445
Laumond, A. 01714
Laurgeau, C. 08557
Laurinavicius, A. 00031
Lavanant, G. 09356
Lavers, J.D. 00038
07461
Lavie, D. 09327
Lavine, J.P. 00774
08905
Laviola, M.A. 06147
Lavrov, S.E. 05152
Law, H.D. 08907
Law, S.W. 08185
Lawrence, D.A. 04956
Lawrence, D.J. 08243
08267
Lawrence, G.M. 01394
Lawrence, P.D. 02154
05317
Lawrence, R.S. 01630
Lawrence, V.B. 05445
Lawrenson, P.J. 03293
Lawson, J.H. 00132
Lawson, P.J. 01878
Lawton, D.T. 02570
Lax, M. 00924
Laxpati, S.R. 08118
Laycock, L.C. 05663
Layman, R.L. 04431
Lazarev, M.G. 05801
Lazay, P.D. 07736
Lazer, E.A. 04613
Lazim, M.T. 01761
Le Bars, J. 04199
04212
Le Bihan, J. 09086
Le Carvennec, F. 01500
Le Doeuff, R. 04865
Le Goascoz, V. 00730
Le Huy, H. 03276
Le Quentrec, M. 03720
Le-Ngoc, T. 02014
Le, B.T. 00187
Le, K.D. 04949
Le, L.X. 08155
Le, N.H. 07814
Le, Th.-N. 05808
Leach, D.B. 08549
Leach, D.P. 03821
Leach, P.J. 03760
Leahy, M.D. 03995
Leamy, C.C. 05554
Lean, M.H. 06815
Leavitt, R.P. 03561
Lebacqz, J.V. 05263
Lebedev, A.A. 00214
Lebedev, D.S. 00843
Lebedev, P.N. 00015
Lebedev, V.M. 05061
Lebedev, Ya.S. 03152
Lebedev, Yu.P. 05035
LeBlanc, A.R. 05308
Leboeuf, J.N. 06832
Leboutet, H. 03431
Lecat, J. 02990
Lech, M. 03554
Lechi, G.M. 03699
Lechner, H. 05227
Lecomber, P.G. 01187
Lecomte, R. 05599
LeCoq, G. 03667
Ledbetter, J.D. 00897
Lederer, F. 09114
09117
Ledley, R.S. 05729
Ledwich, G. 08354
Lee, A.Y. 03333
Lee, B.S. 06271
Lee, C. 06662
Lee, C.-H. 06995
Lee, C.C. 07978
Lee, C.F. 05571
07152
Lee, C.H. 07480
Lee, C.L. 08164
Lee, C.P. 07578
Lee, C.S.G. 05213
Lee, C.T. 02140
Lee, D. 03479
Lee, D.J. 04453
Lee, D.L. 01987
Lee, D.T. 05410
05703
Lee, E.R. 07000
Lee, E.S. 04571
Lee, E.T. 03984
Lee, F.C. 00402
04642
07141
07142
Lee, F.C.Y. 02417
05484
Lee, F.F.C. 01755
Lee, F.N. 04966
06697
Lee, G.M. 07639
Lee, H. 08484
Lee, H.-S. 09224
Lee, H.H. 01481
06271
Lee, H.L. 02791
Lee, H.P. 02077
Lee, H.Q. 00468
Lee, H.S. 02764
06271
Lee, H.W. 03159
Lee, J.-H. 02383
02392
Lee, J.-Y. 05569
Lee, J.H. 04996
08987
Lee, J.J. 04846
06504
Lee, J.N. 00857
Lee, J.P.Y. 05593
Lee, J.R. 07986
Lee, J.S. 05712
Lee, K. 02816
04428
05972
09253
09253
Lee, K.C. 04929
Lee, K.L. 00832
Lee, K.W. 07639
Lee, L.-S. 07941
07943
Lee, L.S. 07824
Lee, L.Y. 06165
Lee, M.C. 07075
Lee, N. 01509
Lee, P.C.Y. 08393
Lee, P.M. 05765
Lee, R. 00716
Lee, R.E. 01715
Lee, R.W. 04704
Lee, R.Y. 06872
Lee, S. 05344
Lee, S.-M. 06732
Lee, S.-Y. 08010
Lee, S.H. 01732
01743
03407
09237
Lee, S.J. 06016
07578
Lee, S.L. 03941
Lee, S.W. 06431
06729
Lee, S.Z. 01481
Lee, T. 07064
07339
Lee, T.H. 0660
0837
Lee, T.J. 0320
0321
Lee, T.P. 0377
Lee, V.Y. 0101
Lee, W.C.-Y. 0631
Lee, W.C.Y. 0129
Lee, W.D. 0657
Lee, W.I. 0803
Lee, W.S. 0123
Lee, W.W. 0830
Lee, Y. 0898
Lee, Y.M. 0662
Lee, Z.Y. 0556
Leek, R. 0333
0830
Leempoel, P. 0018
Leeuwis, H. 0266
LeFavi, F.A. 0306
Lefebvre, M. 0091
0734
Lefeuvre, F. 0322
Lefevre, H.C. 0774
Lefferts, R.E. 0544
Leffler, R. 0622
Leger, G. 0370
Legros, W.P. 0010
0826
Leheny, R.F. 0507
0759
Lehman, P.J. 0821
Lehman, R.K. 0331
Lehmann, H.W. 0286
Lehmann, S. 0339
0340
0340
Leibinger, G.E. 0656
Leibovic, K.N. 0533
Leigh, R.W. 0336
Leighton, F.T. 0762
Leiner, D.C. 0088
Leipold, L. 0243
Leister, V. 0363
Leite da Silva, A.M. 0661
Leith, E.N. 0733
Leive, G.W. 0761
Lekan, J.F. 0942
LeKuch, H. 0131
Lelievre, A. 0442
Leloup, C. 0675
Lemaitre, L. 0192
Lemanov, V.V. 0352
Lembke, J.R. 0691
Lemke, H.D. 0666
Lemnios, Z.J. 0930
Lemon, C.J. 0671
Lemonier, M. 0285
Lempel, A. 0317
Lemrow, C.M. 0771
Lenahan, T.A. 0939
Lenk, D.W. 0337
Lenorovitz, J.M. 0210
0363
0741
0859
0860
Lenth, W. 0571
Lenz, E. 0042
Leonard, J.B. 0857
Leonard, R.W. 0496
Leonard, W. 0771
Leonberger, F.J. 0399
0582
Leone, S.A. 0489
Leong, P.K. 0782
Leonhardt, W. 0413
Leonov, B.I. 0191
0481
0890
Leonovici-Marcu, M. 0107
Leopold, K.E. 0094
Leotin, J. 0771
Lepekhin, N.M. 0721
Lepicovsky, J. 0525
Leporskii, B.B. 0552
Lepoutre, F. 0085
Leppaevuori, S. 0837
Lepper, R.D. 0214
Lequesne, B. 0652
Lerch, P. 0423
Lerner, C.M. 0320
Lerner, E.J. 0528
Lerner, V.S. 0033
Leroi, G.E. 02531
Lerouge, C.P. 09285

eroux, A. 04881
eroy, M. 04809
eschiutta, S. 02000
escure, M. 09548
esh, J.R. 01583
eshchenko, A.I. 03496
eshchenko, I.G. 02665
eskovar, B. 01935
03917
05590
05954
Leslie, R.J. 00280
Lesniak, M. 04467
Lessard, R.A. 09047
Lester, T.P. 01148
07650
Letalick, D. 07867
Letchford, T.E. 06427
Leturcq, P. 07579
Letzter, S. 05751
Leu, M.-Y. 03662
Leuchtmann, P. 06814
Leulmi, S. 06451
Leung-Yan-Cheong, S.K. 09572
Leung, B.C. 04409
Leung, C. 07935
Leung, E. 04129
Leung, J.Y.-T. 05410
Leung, K.K. 06353
Leung, S.-H. 05434
05437
Leung, W.P. 09066
Leung, W.S. 08165
Leupold, M.J. 04141
Lev-Ari, H. 07122
07969
Levchenko, E.G. 08998
Levelle, T. 06194
Levenson, M.D. 00846
LaVert, F.E. 04990
Levi, A. 07206
Lavi, E. 00166
06625
08150
Leviatan, Y. 04307
06422
Levin, D.P. 03031
Levin, M. 06053
Levin, N. 06610
Levin, R.R. 02344
Levine, L.S. 04574
Levine, P.H. 03760
Levine, S.S. 02020
Levinson, S.E. 01482
06272
Levis, M. 04512
Levita, G. 02358
Levitsky, F.J. 01466
Levring, O.A. 04180
Levush, B. 00931
06476
Levy, A.C. 07466
Levy, A.J. 04765
Levy, D.W. 05252
Levy, R. 06459
Levy, U. 01345
07766
Lewall, D.B. 02122
Lewanski, A.J. 00873
Lewell, J. 05387
Lewerenz, H.-J. 00780
Lewerenz, H.J. 02504
Lewin, T. 06471
Lewis, A.G. 05962
Lewis, B.L. 03174
Lewis, E.R. 05330
Lewis, G. 00580
Lewis, J. 07662
Lewis, R.J.G. 03219
Lewis, W.H. 08295
Lhota, J.R. 04244
Li, C.-R. 04111
Li, C.-Y. 05557
Li, C.E. 09398
Li, C.Q. 08069
Li, E.W.P. 09399
Li, F. 08673
Li, G.-P. 01939
Li, G.P. 04391
Li, H.C. 02322
Li, J.-Z. 02858
Li, K.K.-C. 00837
Li, K.W. 04153
04182
Li, L. 02365
03734
Li, L. 07843
Li, M.-Y. 03203
Li, P. 06160
Li, P.-W. 03879
Li, P.G. 04307
Li, Q. 04281
Li, S.-G. 01425
Li, S.-H. 01647
Li, S.H. 08069
Li, T.-Y. 01359
Li, X.-S. 07367
Li, X.S. 08692
Li, Y.K. 09060
Li, Z. 08401
08402
Liang, J.-K. 00651
02378
Liang, M.S. 02481
Liao, A.S.H. 05073
07592
Liao, K.-Y. 00851
Liau, Z.L. 09006
Liaw, H.M. 03927
Lib, Yu.N. 05043
Liberman, Ya.L. 04330
Liboff, R.L. 08991
Lichko, G.P. 01662
Licht, R.R. 09453
Lichtner, W. 02188
Liddiard, K.C. 05051
Liddle, M. 04202
Liebe, H.J. 04822
08048
08050
Liebetreu, J.M. 09598
Liechti, C.A. 06002
Liedberg, B. 03546
Lieder, M. 03332
Liegeois, A. 08563
Lien, C.D. 01622
Lien, T.K. 05245
Liengme, O. 04238
Liese, M. 08342
Lieurance, D.W. 04143
Ligas, W. 02963
Lightfoot, S.R. 06609
Lightner, M.R. 02370
04496
Likens, W.C. 05349
Likharev, K.K. 04118
04186
04231
04243
Lile, D.L. 01267
Lilley, R.W. 06110
Lim, H. 07580
Lim, H.-K. 01189
01232
Lim, J.S. 03134
03141
09539
Lim, S.C.P. 01241
Lim, T.C. 03806
Lim, T.K. 06169
Lim, Y.C. 02385
08750
Limb, J.O. 04640
08724
Limbach, F. 09490
Lin, A.T. 07199
Lin, B.J. 02839
Lin, C. 08961
Lin, C.-F. 05211
05273
07860
Lin, C.-L. 03983
Lin, C.A. 03626
Lin, C.E. 08348
Lin, D.W. 07850
Lin, G.N. 02676
Lin, H.C. 00804
02802
07622
Lin, J. 02862
Lin, J.C. 00525
07431
Lin, K. 04045
Lin, L. 03742
Lin, M.-C. 06203
Lin, M.R. 08305
Lin, M.S. 01143
Lin, P.M. 06066
06067
Lin, R.Y. 07237
Lin, S. 02136
06221
Lin, S. 07052
07921
Lin, S.-T. 01122
Lin, S.C. 00857
Lin, T.K. 02136
Lin, W. 01624
Lincot, D. 05657
Lind, N.-C. 02359
Lindau, I. 05053
Lindberg, P. 07914
Lindberg, R.E. 06956
Lindell, G. 07992
Lindell, I.V. 00025
08026
Linden, K.J. 04024
Lindholm, A. 01800
Lindholm, F.A. 03923
07270
Lindsay, J.F. 03271
06513
Lindsey, W.C. 08818
Lindstroem, C. 00962
Lindstroem, C.O. 06494
Lineberry, J.T. 06624
Linehan, M.H. 07079
Ling, S.-F. 03992
Linger, C. 07722
Linggard, R. 04671
04672
Linggard, R.L. 07111
Lingh, L.P. 00231
Lingren, T.D. 03775
Linhart, H. 07244
Linholm, L.W. 02857
Linke, R.A. 05739
07390
Linkenbach, H.A. 08943
Lint, J. 02002
Linz, A. 08990
Liou, C.-T. 05222
Liou, J.H. 07711
Liou, M.L. 05571
Lipes, R.G. 09499
Lipinski, W. 00286
Lipke, D.W. 02978
Lipo, T.A. 00068
00073
01679
04871
06520
Lipoff, S.J. 01492
Lipovskii, A.A. 06855
Lipparini, A. 00046
Lippincott, E.P. 00741
00742
00744
Lippitsch, M.E. 05770
Lipps, F.W. 00220
Lipskii, V.B. 01252
Lipson, J. 06399
Lisak, M. 06471
Lisin, V.N. 05166
Lisov, A.F. 05091
Lissberger, P.H. 00868
Lisyuk, Yu.V. 03246
Lit, J.W.Y. 00278
07486
Litikov, I.P. 06058
Litinskii, A.V. 05061
Litovchenko, P.G. 09544
Litsyn, S.N. 01586
Little, M.J. 07297
07300
Little, T.A. 06524
Littlefield, R.J. 03743
Littlejohn, M.A. 01109
Littler, G.E. 01784
Litvinovich, A.S. 00266
Litwak, A.A. 01495
Liu, A. 03433
Liu, A.C. 02839
Liu, B. 01542
03155
03803
Liu, B.D. 05930
Liu, B.L. 00162
06624
Liu, C.H. 01631
07276
Liu, C.N. 03665
Liu, D.W. 00291
Liu, E.S.K. 03778
Liu, H.-H. 00557
03702
Liu, J. 09206
Liu, K.C. 08991
Liu, K.Y. 09579
Liu, L.C.T. 07619
Liu, M.L. 07647
Liu, P. 07339
Liu, P.-L. 05740
Liu, P.S. 06030
Liu, R.-W. 05500
Liu, S. 09219
Liu, S.-Q. 07420
Liu, S.M. 02321
Liu, S.T. 07571
Liu, T.T. 07843
Liu, W. 04238
Liu, W.T. 08669
Livett, A.J. 03518
Livingston, A.R. 02834
Livingston, D. 05353
Livingston, J.D. 05853
Livingston, R.C. 01638
Livneh, N.M. 04527
Ljunge, L. 05270
Llana, A.,Jr. 03059
09452
Lloris, A. 00666
Lloyd, F.L. 04066
04092
04095
Lloyd, J.L. 08128
Lloyd, J.P. 01187
Llurba, R. 05798
Lo Faso, U. 09537
Lo Presti, L. 03799
Lo, C.C. 05590
05954
Lo, E.K. 03594
Lo, R.C. 04828
08675
08676
Lo, S.C. 06182
Lobova, S.M. 06786
Locatelli, A. 05221
Locher, P.R. 05045
Lodge, D.W.S. 01525
Lodge, J.H. 03140
Lodi, V.A. 04543
Loeb, H.W. 08607
Loeffler, M.T. 02338
Loehnert, K. 03961
Loenig, F. 06660
Loevkvist, T. 04898
Loferski, J.J. 00793
Lofgran, L.C. 07303
Logan, R.A. 04010
07339
08977
Logan, T.L. 02241
Logothetis, E.M. 07504
Loh, I.H. 02781
Lohmann, A.W. 00882
Lohnert, G.H. 03342
Lohstroh, J. 06035
Loiko, N.A. 08971
Lokner, V. 07317
Lokshin, V.A. 01984
Lombardi, C. 01236
London, S. 03049
Long, A.C. 01395
Long, F.M. 05425
Long, J.H. 07865
Long, S.A. 08447
Long, S.I. 07573
09272
Long, W.H.,Jr. 00903
Longenbaker, W.E. 06981
Longhetto, A. 05378
Longhi-Gelati, M. 04784
Longman, R.W. 06956
Longmore, A.J. 00576
Longnecker, M.T. 00080
Longo, L. 00318
Longoni, A. 02852
Longshaw, T.G. 05348
Lonngren, K.E. 04803
Loo, R.Y. 05644
Look, D.C. 01207
Look, D.C.,Jr. 02522
Looper, J.L. 08590
Lopez Giovaneli, C. 08018
Lopez Pinto, A. 05000
Lopez-Romero, S. 08880
Lopez, H. 00514
00516
Lopez, L.M. 00559
Lopinto, L. 03036
LoPresti, C.A. 08412
Lopuch, S.L. 06474

Lord, W. 03288
06795
Lorden, G. 09582
Lore, J. 04192
Loreck, L. 04394
Lorenz, W. 00462
Lorenzetti, M.J. 02840
Loscoe, C.E. 09333
Loser, R.W. 05134
Losev, L.L. 08969
Losovskii, B.Ya. 08702
Lostakova-Roupova, D. 00867
Losty, J.A. 02559
Lotfalian, M. 05379
Lottin, J.C. 04090
Lotz, G. 00421
Lou, C.-H. 03125
Lou, D.Y. 01517
Lou, J.C. 01143
Louie, M.Y. 04581
Louie, S.A. 02768
Lourtioz, J. 07410
Loutfy, R.O. 02515
Love, J.D. 09394
Love, R.P. 07593
09211
Lovejoy, C.M. 08967
Lovelady, R.W. 09522
Lovell, D.J. 09033
Lovell, R.R. 06185
06187
Lovelock, G.R. 08304
Lovold, S. 09028
Low, M.J.D. 05050
Lowbridge, P.L. 02639
Lowe, D.B. 05204
Lowe, D.G. 05707
Lowe, V.E. 05618
05635
Lowenstein, W.B. 03345
Lower, K.N. 06559
Lowndes, J.C. 00551
03765
04604
06190
07031
07793
08604
Lowney, J.R. 00022
Lowrie, J.W. 05364
Lowther, D.A. 06546
06805
08170
08171
Lozano-Perez, T. 00438
Lozhkin, S.A. 02765
Lu, D.J. 07657
Lu, F.-S. 07906
Lu, P.-C. 01790
Lu, P.M. 09266
Lu, S. 05389
Lu, S.-T. 00504
Lu, Y.Z. 03471
Lu, Z. 09473
Luan, C.S. 02136
Lubanski, M. 04002
Lubberts, G. 09230
Lubell, M.S. 04204
Lubkeman, D.L. 08135
Lubkowitz, R. 05666
Luca, D.J. 01514
Lucas, D.R.S. 01953
Lucas, M.C. 05157
06745
Lucas, M.S.P. 03736
Luce, F. 02239
Lucero, E.M. 04455
Luchinin, A.G. 00044
Luchinin, A.S. 03863
Luck, J.M. 00358
Luckenbach, T. 03038
Lucky, R.W. 09397
Ludu, A. 07572
Ludwig, R.W. 02247
Lue, J.W. 04159
04204
Luebbers, D.W. 07296
08889
Luebke, K. 07267
Lueder, E. 02372
Luehrmann, H.M. 06581
Luemkemann, B. 00902
Luera, T.F. 02777
Lugli, P. 01116
Lugovoi, V.N. 00015
Lugtu, R.L. 03391
Lugtu, R.L. 03392
Luh, J.Y.S. 00437
Luhmann, N.C.,Jr. 00043
Luhukay, J.F.P. 04457
Lui, R. 06335
Luk, J.Y.K. 07102
Luk, T.W. 09292
Luk'yanets, A.A. 05523
Lukas, F. 01386
Lukas, M.P. 04776
Lukaschek, K. 03768
Lukaszek, T. 06721
Luke, J.P. 03756
Luke, K.L. 02520
Luke, P.N. 02489
06892
Lukichev, V.F. 05795
05800
Lukosz, W. 07481
Luks, A. 00013
Lulli, G. 02718
05629
Lum, J.J. 02676
Lumelsky, V.J. 05214
Lumish, S. 06162
Lumley, J.L. 07062
Lundgren, L. 02618
Lundquist, J. 09105
Lundqvist, G. 08011
Lundstroem, I. 03546
Lundstrom, M.S. 07570
Lundy, R.A. 04255
Luo, F.-C. 08892
Luo, G.-L. 06925
Luo, J. 00234
Luo, J.S. 08372
Luo, K.L. 04153
04182
Luoni, G. 06793
Luque, A. 05000
08882
Lurfi, R.A. 01995
Luryi, S. 05075
07569
Lustenberg, G.E. 02665
Luther, P. 04467
Lutz, A. 08160
Lutz, F. 02471
Lutz, G. 06887
Luvison, A. 09568
Lux, R.A. 08509
Ly, U.-L. 06931
Lyakhovets, O.G. 08220
Lyapin, V.P. 00314
Lybanon, M. 03705
Lybekk, B. 02264
Lychak, M.M. 00334
Lyden, C. 05981
Lyle, R. 00115
Lyman, J. 02826
Lynch, J.T. 02870
Lynch, S.J. 01258
Lyneis, J. 08347
Lynn, K.J.W. 02911
Lyons, J.C. 03758
Lyons, J.P. 04956
Lyons, P.B. 02925
Lyons, R.B. 00485
Lyras, A.D. 05889
Lytle, R.J. 06411
Lyzenga, D.R. 03105
09501

Ma, D. 02833
Ma, H.H. 07960
Ma, J.Y.L. 04835
06467
Maag, C.R. 02070
Maas, A. 00184
MacChesney, J.B. 04564
Macchi, R. 06111
Macchiarella, G. 05120
MacDonald, M.J. 06954
MacDonald, R. 01735
MacDonald, R.I. 03920
08911
MacDonald, V.H. 09472
MacFarlane, R.E. 00379
MacGregor, D.M. 02954
Mach, R. 05673
05674
Machado, J.C. 06860
Machek, J. 01162
Machida, K. 03905
05802
Machida, Y. 00841
Machles, G.W. 05277
Machuzak, R.J. 02894
MacIver, B.A. 07612
Mack, A.R. 08655
Mack, J.M. 05157
Mackay, R.S. 05290
Mackie, A.J. 01571
Mackintosh, A. 00803
Macksey, H.M. 08802
MacLaren, P.G. 00397
Maclean, D.J.H. 08811
Maclean, T.S.M. 06455
MacLeod, J.E.S. 01977
MacMullan, S.J. 07900
Maconachie, B. 07832
Macovski, A. 06994
MacQuigg, D. 05572
Mactaggart, I.R. 08790
Maczynski, S. 05679
Madan, A. 08881
Madan, M.K. 05004
Mader, G.H. 02345
Mader, H. 01164
Madey, J.M.J. 00917
Madhavan, T.N. 04587
Madhusudan, M. 00226
Madhusudhana Rao, G. 06166
Madihian, M. 00052
Maeda, S. 00412
Maeda, T. 02955
Maeda, Y. 03340
05610
Maejima, H. 06004
Maejima, M. 01091
Maekawa, M. 04440
Maekawa, S. 05464
Maenchen, J.E. 07473
Maes, H.E. 04443
Maetzler, C. 07022
Maffett, A.L. 03105
Mage, J.C. 04323
Magee, D.W.,Jr. 03311
Magerl, G. 07438
Maggetto, G. 00119
Maginu, K. 04247
Maglaty, J.L. 08869
Magno, R. 04208
Magnusson, D.C. 08370
Magnusson, S. 01459
Magradze, O.V. 09059
Maguire, G.Q. 05295
Maguire, J.F. 06071
Magyar, A. 00081
00232
Mahalanabis, A.K. 02181
Mahalingam, L.M. 02819
Mahan, A.H. 06670
Mahan, G.D. 01120
Mahapatra, P.R. 04712
Mahbod, B. 03744
Maher, F.J. 06886
Maher, G.H. 03898
Mahindra, R. 04585
Mahlein, H.F. 06122
Mahler, B. 02790
Mahmood, M.K. 01545
07917
Mahmoud, M.A.W. 03618
03619
Mahmoud, M.I. 03618
03619
Mahmoud, M.S. 00425
Mahmoud, S. 04865
Mahmoud, S.A. 01571
07681
07977
Mahmoud, S.F. 08117
Mahn, T.G. 02982
Mahoney, A.R. 03367
Mahoney, T.L. 05514
Mahoney, W.R. 03392
Mahrt, K.-H. 08681
Main, B.A. 03726
Main, C. 00767
Maine, R.E. 00473
Mains, R.K. 02700
08816
Maison, F. 02841
Maitra, K. 02521
Maix, R.K. 04259
Maiz-Aguinaga, J.A. 02473
Majeski, R.P. 06644
Majewski, A. 01931
Majima, S.-I. 05545
Majithia, J.C. 01425
Majithia, J.C. 0784
Major, S. 0071
Makarenko, I.N. 0751
Makarov, I.M. 0851
Makarov, S.B. 0544
Makarov, V.O. 0355
Makarovskiy, A.P. 0082
Makhviladze, G.M. 0869
Maki, N. 0836
Makimoto, M. 0005
Makino, S. 0139
Makino, T. 0126
Makino, Y. 0287
Makiuchi, M. 0270
Makiura, T. 0425
0427
Mako, F.M. 0851
Makonda, M.M. 0341
Makowski, K. 0328
Maksimova, N.K. 0919
Maksimovic, M.D. 0028
Maksimtsev, S.A. 0870
Maksumov, O.S. 0059
Maksym, J.N. 0634
Mal'tsev, V.A. 0689
Malakhovskii, O.Yu. 0271
0917
Maldonado, C.D. 0276
Maldonado, O. 0808
Maletinsky, V. 0824
Maletta, G. 0250
Malewski, R. 0823
Malewski, R.A. 0178
0191
Malhami, R.P. 0185
0834
Malhi, S.D.S. 0277
0440
Malik, J.E. 0382
Malik, N.H. 0329
0493
Malik, N.R. 0718
Malik, O.P. 0171
0488
0489
0655
0835
Malik, R.J. 0272
0645
Malila, W.A. 0535
Malina, R.F. 0505
Malinovskii, V.K. 0028
Maller, V.N. 0072
Mallick, A.K. 0070
Mallick, M.K. 07064
Mallory, P.G. 04991
Malm, B. 02130
02132
Malm, H.L. 04991
Malmivuo, J. 08836
Malmoud, A.A. 05433
Malpass, P.G. 06183
Malstrom, E.M. 08518
Maltby, P. 00521
Maltese, P. 02553
Malvar, H.S. 08755
Malvezzi, A.M. 03970
Malvicini, C. 03483
Malygin, I.P. 02626
Malygin, S.A. 06424
Malyshev, V.M. 05794
Malyutenko, V.K. 05846
Mamaev, Yu.A. 07354
Mamane, C. 04910
Mamedli, E.M. 01590
Mamine, T. 00940
Mamistov, S.V. 01978
Mammootty, K.P. 01106
Mamola, G. 09537
Manara, G. 01611
Manassen, J. 01792
Mancarella, M. 01899
Manchanda, L. 02478
Manchenko, A.V. 01879
Mancianti, M. 07687
Mancini, A.M. 02542
Manduteanu, G.V. 09080
Manfredi, A. 02963
Manfredotti, C. 05606
Manganaro, S. 01742
Mangili, D. 05771
Mangin, C.-H. 01275
Mangini, R.J. 02989
Manheimer, W.M. 00931
06476
Manhkopf, P. 06205

Manias, S. 06595
Manifacier, J.-C. 01130
Manke, J.W. 04946
Manley, M.H. 04413
Manley, T.O. 08683
Mann, B. 03545
Mann, J.E. 07016
Mann, P. 08619
Mannan, S. 05145
Manninen, M. 08562
Manning, J. 04023
Mano, T. 04486
05505
Manohar, R. 01399
Manolakis, D.G. 04798
05462
Manoliu, J. 01253
Manry, C.E. 02088
Mansel, W. 00371
Mansfield, D.K. 01007
Mansfield, J.L. 04568
Mansingh, A. 01196
Mansir, H. 06548
Mansour, E.A.A. 04927
Mansour, M.O. 03309
Mansour, Y. 00126
Mansuripur, M. 01520
Mantakas, Ch.A. 06398
Manthaiah, N. 04780
Mantooth, S.S. 09428
Manty, B.A. 05245
Manuilov, M.V. 05117
Manusmongkol, P. 02403
Manuzio, G. 04138
Manzo, M.A. 08318
08319
Mao, N.-H. 08094
Mao, Z. 06421
Mapalo, L. 04129
Mapps, D.J. 06720
Maradudin, A.A. 03224
Maral, G. 01546
03161
Marancik, W.G. 04191
04278
Maranda, B. 07935
Marangos, J. 00371
Marannino, P. 01854
Marazzi, E. 00046
Marberg, W.P. 01408
Marburger, S.J. 08955
Marcatili, E.A.J. 08912
Marce, L. 07430
Marceau, N. 00529
Marcello, V. 06778
Marchand, Ch. 06807
Marchant, A.C. 02578
Marchetti, J.R. 02788
Marchetti, R. 07402
Marchini, G. 03454
Marchuk, Yu.V. 06465
Marcus, G.D. 06357
Marcus, J. 03391
Marcus, J.S. 00364
Marcus, S.I. 05471
Marcuse, D. 00988
07702
Marcuvitz, N. 08010
Marczewski, M. 05959
Marek-Sadowska, M. 02812
Marek, J.J.,Jr. 01467
Margadonna, D. 02511
Margalit, S. 00923
01902
Margaris, N. 03269
06537
Margheri, R. 07687
Margulis, A.K. 03440
Mariani, E. 08260
Mariani, E.A. 07485
Marich, K.W. 02159
Marinescu, M. 05653
Marinescu, R. 00779
03943
Maringer, M.F. 00130
Marini, A. 03699
Marinich, T.G. 00126
Marino, A.A. 08448
Marino, D.M. 03060
Marino, R. 00236
06940
Marinov, I. 01093
Marinovic, N. 03892
Marinucci, C. 04054
04229
Marion, A. 00229
Mariotti, J.M. 00026
Mark, J.W. 03159
08287
Markarov, A.N. 08704
Markelova, E.A. 01972
Marken, K. 04164
Markin, J. 08898
08899
Markina, N.N. 02180
Markon, S. 06838
Markov, A.A. 01981
05111
Markov, F.V. 05035
Markov, J.D. 06246
Markov, N.N. 06710
Markov, Z. 06396
Markovich, P.A. 02695
Markowich, P.A. 02632
Marks, M.E. 05430
Marks, R.J. 01553
03145
Marlow, G.S. 00298
Marmor, J.B. 07000
Marougi, S.D. 04800
06490
Marowsky, G. 06715
Marquez, A. 04920
Marquez, J. 07717
Marrian, C.R.K. 08858
Marrone, G. 02474
Marrone, M.J. 09372
Mars, P. 04646
Marsan, M. 08477
Marsan, M.A. 02307
04666
05386
07821
07938
Marschall, R.A. 07016
Marsden, J.E. 08251
Marsh, A.K. 05244
05264
Marsh, H.S. 02882
Marshak, A.H. 01190
Marshall, J.M. 00767
Marshall, R.A. 04263
Marshall, R.J. 03329
Marshall, S.B. 02791
Marshall, T.C. 00936
Marshall, W.G. 03339
08304
Marston, P.G. 04144
04256
Marti, B. 06206
Marti, H.P. 04259
Martin-Kaye, P.H.A. 07028
Martin-Sanchez, J.M. 05195
Martin, B. 05415
Martin, B.J. 03078
Martin, C.J. 05472
Martin, D.L. 05853
Martin, E.H. 02776
Martin, E.W. 02118
Martin, G.C. 02781
Martin, H.-E. 03009
Martin, H.L. 04986
Martin, J.E. 02703
Martin, J.M. 07752
Martin, J.P.D. 04976
Martin, K.W. 05486
Martin, L.C. 01126
Martin, M.W. 02087
Martin, P. 04225
Martin, S.J. 07494
Martin, T.B. 02384
Martin, V.M. 00040
Martinelli, E. 07648
Martinelli, G. 01593
04124
08752
08754
Martinelli, M. 03868
Martinelli, R.U. 01176
Martinenghi, C. 02123
Martines, G. 09254
Martinez-Duart, J.M. 04359
Martinez-Herrero, R. 08954
Martinez-Martinez, P. 08826
Martinez-Sanchez, M. 09078
Martinez, E. 07210
Martinez, N.H. 07581
Martinho, E. 03909
Martinich, T.G. 04963
Martinis, J.M. 04157
04271
Martino, F.J. 00188
Martinoli, P. 04238
Martins, H.A.S. 05202
Martinsons, R. 02334
Martire, G.S. 03393
Martirosyan, A.E. 05055
Martsafei, V.V. 06483
Martynov, S.G. 05539
Martynov, V.F. 05166
Maru, B.H. 06541
Maruska, H.P. 05631
Marutani, T. 01723
Maruvada, P.S. 02643
Maruyama, K. 00325
Marx, A. 00306
Marx, E. 06406
Marx, J. 01096
Marzec, C.J. 04735
Marzetta, T.L. 07898
Marzotto, K. 04526
Masamura, T. 06189
Mascarenhas, D.A. 07025
Mascarenhas, N.D.A. 05664
Mase, K. 02993
Maseng, T. 07789
Masetti, G. 04411
05946
07591
Mashaw, J.M. 08356
Mashita, M. 01510
Masi, S. 01906
08408
Maskara, S.L. 06166
Maslenkov, I.P. 05167
Maslennikov, V.V. 02429
Maslov, B.Ya. 01983
Maslov, Yu.N. 05091
Maslyukov, G.A. 00998
Masnari, N.A. 09206
Masoli, F. 05867
Mason, G.A. 08179
Mason, I.M. 05060
Mason, M.T. 06914
Mason, S.B. 08378
Masse, D. 00688
Massey, G.A. 05742
06713
Masson, C.R. 04710
Masson, G.M. 05502
Massot, J.N. 01055
09357
Mastroianni, F. 08260
Mastryukov, A.F. 08053
Masuda, M. 02917
04265
04284
04286
Masuda, S. 00098
00099
00108
03263
03883
Masuoka, E.J. 02247
07024
Matar, M.A. 01546
Matarrese, J.R. 02108
Matausek, M.R. 04764
Matei, L. 02533
Mather, J.C. 02787
Matheron, G. 04094
Mathew, T. 08781
Mathews, H.G. 00113
Mathews, V.J. 03574
Mathewson, B. 06759
Mathiesen, M. 02271
Mathur, B.K. 05012
Mathur, B.S. 03150
Mathur, G. 03945
Mathur, P.S. 02523
Mathur, R.K. 05655
Mathur, S.C. 02503
Mathur, S.S. 00204
Matis, K.R. 07825
Matisov, V.P. 02794
Matori, I. 00196
Matson, C.L. 09049
Matson, R.J. 06748
07278
Matsubara, H. 04917
Matsubara, I. 07755
Matsubara, K. 05542
Matsubara, T. 01556
03893
05802
Matsuda, H. 04958
Matsuda, O. 04027
Matsuda, S. 02682
Matsuda, T. 09039
Matsuda, Y. 04884
Matsui, M. 01959
05567
Matsui, O. 07288
Matsui, S. 02535
08963
Matsui, T. 00401
03429
03873
Matsuike, T. 04917
Matsumoto, H. 05621
05622
05623
07282
08242
Matsumoto, K. 06587
Matsumoto, S. 07312
Matsumoto, T. 00295
07151
Matsumura, M. 03567
07629
09200
09233
Matsumura, S. 01719
01723
02635
Matsunaka, N. 01635
Matsuno, T. 04042
Matsunobu, K. 00718
Matsuo, H. 07242
08222
Matsuo, T. 04405
05987
08293
08627
Matsuoka, M. 00323
Matsuoka, T. 05757
07723
Matsuoka, Y. 04430
09227
Matsushima, H. 08254
Matsushima, Y. 05755
Matsushita, G. 02151
Matsushita, K. 08225
Matsushita, S. 07041
Matsuura, K. 03486
Matsuura, M. 07767
Matsuura, S. 03427
Mattana, G. 04423
Mattern, K.E. 00072
Matteson, W.H. 09031
Matthaei, G.L. 01043
03779
Matthews, D.L. 05745
Matthews, J. 02328
Matthews, J.E. 05127
Matthews, M.R. 01361
Matthews, R. 06050
07621
Matthews, R.D. 04860
Matthews, W.C. 03075
Matthies, L.H. 08539
08687
Mattie, M.G. 02271
Matveev, O.I. 08993
Matveev, V.I. 09144
Matveev, V.P. 01846
Matyas, J. 05478
Matyuk, V.F. 01074
Matyushkina, L.V. 09059
Mauconduit, M. 03376
Mauldin, G.H. 03900
Mauntel, R. 04479
Maurer, Ch.A. 04563
Maurer, H.A. 03654
Maurer, W. 04384
Mauriello, A.J. 03764
Maushart, R. 01888
Mautz, J.R. 08015
Mavor, J. 00655
Mawardi, O.K. 04285
Maxham, K.Y. 09382
Maxwell, C.D. 00167
Maxwell, P.C. 07654
May, E.P. 06036
May, J.J.,Jr. 00274
May, P. 04048
May, P.F. 02226
May, P.O. 03370
Mayanna, S.M. 03326
Maybeck, P.S. 05721
Mayer, A. 03858
Mayer, C.B. 03277
Mayer, C.E. 08124
Mayer, G.J. 06954

Mayer, M. 03298
Mayergoyz, I.D. 06801
Maymon, G. 03524
Mayo, C. 01315
Mayo, J.S. 02793
Mayo, L.S. 00568
Mayr, M. 05870
Maystre, D. 04323
Maystre, F. 04546
Mayumi, H. 04452
Mazer, J.A. 02857
Mazhar, A.A. 00175
Mazumdar, M. 04957
Mazumder, B.C. 07219
Mazzantini, M. 07687
Mazzetti, C. 01725
03713
Mazzini, C. 01301
Mazzola, S. 05375
Mazzoldi, P. 01052
Mazzone, A.A. 06006
Mazzone, A.M. 05629
Mazzucchelli, M. 06511
Mbewe, D.J. 05639
McAfee, K.B.,Jr. 04569
McAninch, G.L. 03505
McArthur, L.R. 05033
McBee, L. 09340
McBride, S.E. 01901
McCabe, D.H. 05296
McCall, L.V. 00127
McCall, W.L. 00656
McCammon, D.F. 02666
McCammon, M. 00350
McCann, B.E. 08431
McCann, J.F. 02502
McCarthy, D.J. 00879
McCaughan, L. 08923
McCauley, M.E. 01489
McCauley, R.G.K. 08633
McClaine, A.W. 04969
McCleer, P.J. 06621
McCloud, J.W. 05864
McClung, R.W. 03291
McClure, D.M. 07415
McClurg, J.L. 02095
McCluskey, E.J. 07657
McComb, T.R. 01786
McConlogue, J.F. 04960
McConnell, B.W. 04911
McCormick, J.H. 02310
McCowan, W.L. 08573
McCown, A.W. 00950
McCoy, J.J. 07058
McCrady, D.D. 05461
McCrary, D.G. 02205
02211
02243
McCrory, B. 06054
McCuskee, L.B. 00104
McCutcheon, R.G. 08144
McDermott, D.B. 00043
07364
McDermott, T.E. 04913
McDevitt, J.B. 02115
McDonald, A. 06034
McDonald, J.C. 05585
McDonald, J.D. 05335
McDonald, J.R. 02463
McDonald, W. 01564
McDonald, W.K. 04164
04237
04241
McDonough, M. 07028
McDougal, P.J. 07787
McEliece, R.J. 07926
09582
McElroy, W.N. 00742
McElwain, C.K. 09455
McFadden, P.D. 05838
McFarland, J.L. 08130
McFarland, W.D. 05215
McFarlin, R.B. 04037
McFillin, J.F.,Jr. 05269
McGarry, E.D. 00380
McGarty, T.P. 04576
McGeehan, J.P. 07683
07929
McGhee, D.G. 04223
McGill, K.C. 09536
McGill, R.N. 00190
McGillem, C.D. 05320
08740
McGowan, T.K. 00826
McGranaghan, M.F. 08185
McGrath, P.B. 06582
McGrath, W.R. 04066
McGree, T.P. 06347
McGregor, D. 07049
McGregor, D.F.M. 07027
McGregor, D.N. 06318
McGruer, N. 09191
McIntosh, G.E. 04281
McIntosh, R.E. 02273
03249
08672
McInturff, A.D. 04131
McIntyre, A. 00485
McIntyre, B. 08284
McIntyre, J.M. 01876
03382
McIntyre, N.S. 06878
McIntyre, R.J. 05599
McIntyre, S. 05935
McIver, J.C. 06569
McKay, I.H. 08265
McKee, D. 06709
McKee, R.C. 07552
McKenny, P.J. 06582
McKenzie, A.L. 01000
McKenzie, R.L. 00909
McKenzie, T.M. 07795
McKeown, J. 03432
McKibben, W.L. 03051
Mckinlev, W.G. 09052
McKinley, W.G. 04562
McKinney, R.L. 01564
McKinney, W.A. 06200
McKnight, R.H. 00753
07476
McLane, P.J. 02351
McLaren, G.D. 03233
McLaren, P.G. 01763
McLaughlin, K.L. 08663
McLaughlin, P.M. 00743
McLaughlin, R.H. 04357
McLaughlin, W.L. 03910
McLaurin, A.P. 08893
McLean, E.A. 07435
McLeod, R.D. 05639
McMahon, R.A. 02751
05899
McMahon, T.J. 08881
McMillen, G.R. 07686
McMillen, R.J. 05385
McMillin, C.W. 04045
McMurdie, H.F. 08410
McMurtrey, J. 00543
McNally, P.J. 05967
McNamara, J.E. 06976
McNamara, J.H. 06576
McNeill, B.W. 01776
McNeill, D. 04596
McNutt, M.J. 01271
McNutt, W.J. 06569
McPhedran, R.C. 06469
McPherson, G. 06527
McPherson, G.,Jr. 04890
McQuillan, A. 02258
McQuillan, J.M. 04627
McRae, T.G. 00366
McShane, I.E. 04874
McVerry, F. 07679
McWhirter, I. 08707
McWhirter, J.H. 06808
McWilliam, B.N. 04726
McWilliams, J.K. 06988
Mead, M.M. 06694
Mears, B.C. 05224
Mease, K.D. 05265
Mecholsky, J.J. 02480
Mecklenbraeuker, W.F.G. 03149
Medema, D.K. 05296
Meditch, J.S. 04517
Medved, A.V. 08479
Medvedev, B.M. 05449
Medvedev, E.Yu. 05086
Medvedev, N.P. 01882
Medvedev, Yu.V. 03246
Meese, J.M. 01137
01149
Megdal, B.B. 04456
Meger, R.A. 06629
Mehdizadeh, M. 03243
Mehra, R. 07004
Mehring, J.W. 04799
Mehrotra, D.R. 05655
Mehrotra, G.N. 02600
Mehrotra, R. 04947
Mehta, H.S. 02246
Mehta, R.D. 08488
Mehta, S.I. 03576
Mei, K.K. 03479
Meier-Hirmer, R. 01021
Meier, D.L. 05646
07273
Meier, T.J. 01253
Meierer, R. 08072
Meierson, V.G. 01979
Meikle, W.P.S. 00576
Meindl, J.D. 06199
Meinel, H. 02898
Meisterhofer, E. 05770
Meitav, A. 00186
Meixner, R.P. 04725
Mekjavic, I.B. 08637
Mel, A. 01486
Mel'gui, M.A. 01074
01952
07509
08459
Mel'kanovich, A.F. 02660
05814
Mel'nik, M.M. 00689
Mel'nikov, I.V. 01951
Melcer, F. 09043
Melcer, J. 09043
Melchior, H. 04547
05452
Melchior, K. 06942
Melchiorri, B. 01906
Melchiorri, F. 08408
Meleski, J.V. 03966
Meliga, M. 05606
Melikhov, O.I. 08696
Melikhov, V. 05833
Meliopoulos, A.P. 01727
04903
06616
08346
Melkebeek, J.A.A. 01681
01713
03264
Mellen, R.H. 03523
Melling, P.J. 07725
Melloch, M.R. 05122
Mellor, C.E. 08896
Mellor, J.C. 03689
Mellor, M. 03007
Meloni, H. 06277
Melosh, H.J. 02263
Melrose, S. 00586
Melstrand, O. 05947
Meltz, G. 05121
Memita, N. 08198
Memon, P.R. 06056
Men, A.V. 07691
Mena, J.G. 09242
Mencaraglia, F. 08434
Mende, F.F. 04052
Mende, G. 01167
Mende, N.P. 00869
Mendecki, J. 05305
Mendel, J.M. 01541
Mendelsohn, N. 07079
Menders, J.H. 07434
Mendis, F.V.C. 06169
Mendoza, D.J. 08679
Meneghini, R. 01623
Menezes, S. 00780
Meng, C.I. 07076
Meng, X.F. 04119
Mengali, U. 03195
Mengel, P. 08411
Mengelberg, H.-D. 08385
Meninger, M. 04740
Menn, R. 00818
Menniti, P. 08799
Ment, L.R. 00518
Menteshev, M. 03834
Menzies, R.W. 06560
06593
Merard, R. 09043
Meras, J.E. 06576
Mercer, R.H. 06116
Mercer, T.J. 06204
Merchant, G.A. 03137
Mercure, H.P. 01782
Mercurio, J. 01700
Meredith, B.D. 06338
Meredov, M.M. 07555
Merkle, C.L. 08022
Merkle, G. 07395
Merli, P.G. 02718
Merlo, M. 02963
Mermelstein, M.D. 01358
Mermelstein, P. 04651
Merriam, C.W. 02282
Merriam, S. 0771
Merrick, B.W. 0339
Merritt, B. 0394
Merritt, F.L. 0884
Merritt, R. 0038
Mersereau, R.M. 0788
Mertens, R. 0249
Mertens, R.P. 0727
Mertz, F.C. 0534
0535
Mertzios, B.G. 0379
Merz, J.L. 0432
0892
Meshchanov, G.I. 0391
0426
Meshkov, A.G. 0181
Meslener, G. 0132
Messerschmitt, D.G. 0746
0782
Messiet, J. 0333
Messina, F.D. 0723
Messina, G. 0205
Metel', A.S. 0684
Metelev, S.A. 0002
Metra, P. 0013
Metrot, A. 0355
Metsner, E.P. 0109
Metwally, A.D. 0811
Metze, G.M. 0760
Metzgar, T.D. 0692
Metzger, K. 0166
Metzger, K.,Jr. 0629
Metzger, L.R. 0441
Metzl, R. 0110
Metzler, M.D. 0535
Metzler, R.A. 0628
Metzner, J.J. 0781
0957
Meulenberg, A. 0560
Meunier, G. 0681
Meunier, J.L. 0164
Meunier, J.P. 0105
0935
Meuris, C. 0421
Meuser, R.B. 0412
0417
0420
Meyer, C. 0358
Meyer, F.K. 0724
Meyer, G. 0425
0697
Meyer, J. 0517
Meyer, J.L. 0700
Meyer, P. 0612
Meyer, R.G. 0386
0449
Meyer, R.T. 0182
Meyer, S. 0305
Meyer, U. 0269
Meyer, W.H. 0253
Meyers, P.V. 0727
Meyr, H. 0478
0639
Meyrueis, P. 0774
Meystre, P. 0573
Meza, P.J. 0626
Mezzalama, M. 0765
Mian, G.A. 0379
Michaeli, A. 0801
0809
Michaelides, E.E. 0669
Michaelis, A. 0024
Michaelson, S.M. 0050
Michalski, A. 0436
Michel, A.N. 0660
0853
Michelacci, G. 0882
Michette, A.G. 0895
Michie, R.B. 0805
Michkov, A.A. 0262
Micka, K. 0017
Mickelsen, R.A. 0563
Micocci, G. 0254
Miczo, A. 0201
Middelhoek, S. 0195
Middendorf, W.H. 0175
Middlemas, J.M. 0041
Middleton, D. 0481
0641
Middleton, E.M. 0219
Middleton, R. 0030
Middleton, R.G. 0381
Midorikawa, K. 0902
Midvidy, W.I. 0334
Midwinter, J.E. 0292
0455

Mier-Maza, R. 01726
Migny, P. 04094
Migulin, V.V. 04118
Mihai, V. 01075
Mihailescu, I.N. 00945
Mihaloew, J.R. 05266
Mijalkovic, S. 01257
Mikawa, T. 07258
Mikazuki, T. 01092
Mikhael, W.B. 08817
Mikhailov, A. 06635
Mikhailutsa, E.V. 06883
Mikhalevskii, V.S. 00314
Mikheev, L.D. 00983
Miki, S. 01555
Miki, T. 03085
08775
Mikkelsen, C.D. 03641
Mikkelsen, D.R. 00165
Mikoelov, A.V. 08498
Mikolinnas, T.A. 01869
Mikosch, H. 05138
Mikoshiba, N. 04224
Miksis, M.J. 04356
Mikulyak, R.M. 05756
Mil'ner, G.A. 05794
Mil'shtein, B.G. 09138
Milano, R.A. 08908
Milanovich, F.P. 06136
Milde, F. 02465
02470
05807
Miles, A.R. 06526
Miles, J.H. 05102
Miles, K.E. 05198
Miles, R.B. 00901
Miley, G.H. 04003
Millar, W. 04672
Miller-Ihli, N.J. 06790
Miller, A. 03910
09178
Miller, B. 09064
Miller, B.I. 07592
Miller, C.M. 01376
Miller, D.D. 08767
Miller, D.L. 05532
07578
Miller, D.M. 09297
Miller, D.T. 06056
Miller, D.W. 01804
05162
Miller, F.W. 02308
Miller, G.J. 01237
Miller, H.C. 06448
08671
09073
Miller, J.A. 00984
Miller, J.P. 05326
Miller, J.R. 04090
04159
Miller, K.W. 05723
Miller, M. 09583
Miller, M.B. 06072
Miller, M.J. 06221
Miller, M.W. 02141
Miller, P. 02173
Miller, P.D. 08807
Miller, P.F. 00540
Miller, R.C. 07835
Miller, R.J. 06297
Miller, R.K. 08537
Miller, S.E. 04566
09354
Miller, S.M. 08528
Miller, S.W. 02216
Miller, T.D. 00351
Miller, T.J. 07494
09351
Miller, T.J.E. 08168
Miller, T.K.,III 08641
Miller, W.A. 07275
Milligan, S.D. 05171
Milliken, W.C. 07791
Millsap, D.A. 00378
Milman, A.S. 03706
Milnes, A.G. 01171
05903
Milstein, L.B. 02365
02887
Milster, T.D. 05300
Milyaev, D.V. 02665
Minagawa, C. 09265
Minakata, M. 05949
Minard, R.A. 08487
Minasian, R.A. 08070
Minchev, G.G. 00842
Minchev, G.M. 08421
Mine, H. 09406
Minegishi, J. 05868
Minegishi, K. 05948
Minemura, H. 04129
Mineno, H. 03002
Miner, W. 07342
Minerbo, G. 03669
Minetti, B. 05588
Minick, G.R. 02245
Minnich, S.H. 01709
Minnis, B.J. 05448
Minnis, P. 02097
Minowa, J. 09353
Minsky, M.L. 05207
05208
05209
Mints, R.G. 04160
04274
Mintz, M. 05472
Mintzer, F. 07892
Minuhin, V.B. 07523
Mir, M. 01844
06621
Mirchandani, P.B. 00078
Miri, S.M. 01861
Mirshekar-Syahkal, D. 01643
07467
Mirza, M.A. 01776
Misaki, T. 02476
06516
Misakian, M. 06809
07476
Misawa, H. 07637
Mishima, K. 03850
Mishima, T. 00108
09234
Mishra, M. 06805
Mishukova, J.S. 02318
Mishuku, T. 05608
05650
Misik, A.M. 02715
Misra, J.C. 02147
Misra, M. 02712
Misra, R.B. 03316
Misra, R.N. 03490
04594
Missout, G. 08359
Mitake, K. 04482
Mital, D.P. 07167
Mitchell, C.E. 02106
Mitchell, C.M. 07303
Mitchell, D.W. 06532
Mitchell, J.C. 03356
Mitchell, J.L. 06159
07055
Mitchell, J.R. 05114
Mitchell, J.S. 05551
Mitchell, T.M. 06040
Mitchner, M. 04968
Mitin, V.V. 01112
Mito, I. 00960
09367
Mitome, Y. 03080
Mitra, A.D. 08083
Mitra, S.K. 02391
02401
05458
07138
08738
08781
Mitrofanov, A.V. 06744
Mitsuhashi, Y. 08978
Mitsui, H. 00717
04863
Mitsui, T. 01840
07042
Mitsunaga, Y. 06156
Mitsuyasu, H. 02268
Mitsuyu, T. 07257
Mittal, M. 04867
Mittal, M.L. 04970
Mittal, S. 01397
05655
Mittelstadt, W.A. 04902
Mittra, R. 01047
05293
08133
09110
Mityakov, N.A. 00028
Miura, A. 04228
Miura, M. 05515
Miura, N. 01670
01949
02736
Miura, S. 00769
Miura, S. 02704
Miura, Y. 00974
Miwa, Y. 03573
Mix, D.F. 04760
Miya, S. 05868
Miyagaki, Y. 06359
Miyagi, M. 02650
Miyahara, H. 01405
07844
Miyahara, K. 09295
Miyahara, M. 01385
Miyajima, Y. 06145
Miyakawa, H. 01588
Miyakawa, N. 05542
Miyamoto, S. 04368
Miyanaga, H. 09284
Miyasaka, K. 04477
04484
04485
Miyashita, T. 08960
Miyata, Y. 00775
Miyatake, H. 04487
Miyatake, S. 07288
Miyatsuji, K. 08502
Miyauchi, N. 00944
Miyawaki, T. 02375
Miyayama, Y. 00252
Miyazaki, K. 04884
Miyazaki, M. 04908
Miyazaki, T. 01001
Miyazaki, Y. 09358
Miyazawa, E. 06794
Miyazawa, S. 07600
09225
09226
Miyazawa, T. 00108
Mizan, M. 08483
Mizera, P.F. 02107
Mizoguchi, H. 08208
08212
Mizuishi, K. 00948
Mizukami, H. 04577
Mizukami, Y. 06594
Mizuno, H. 00041
Mizuno, T. 02083
Mizushima, Y. 00807
02726
04385
Mizushina, S. 00052
Mizuta, M. 03464
Mizutame, M. 01001
Mizutani, T. 05148
Mizutani, Y. 08441
08442
Mizyuk, G.L. 06771
Mlynski, D.A. 02814
Mnich, T.M. 04491
06001
Mo, T. 03442
Mobasser-Rowshani, S. 01123
Mobbs, C.I. 00632
Mochida, N. 07424
Mochizuki, H. 04484
Mochizuki, K. 09328
Mochizuki, R. 01548
02975
06181
Mochizuki, T. 06538
09229
Modestino, J.W. 07707
07825
Modir, H. 06683
Modone, E. 01337
Modugno, E.J. 06309
Moell, L. 08788
Moeller, D. 00640
03673
Moeller, G. 05624
Moellgaard, K. 08653
Moeneclaey, M. 02420
07927
07928
Moffat, R.P. 00104
Moffet, A.T. 04710
Moffett, R.J. 07072
Mogilevskaya, L.Ya. 03839
Mogro-Campero, A. 05913
Mohaghegh, A. 05910
Mohammadian, A.H. 09089
09094
Mohammed, O.A. 09163
Mohan, K.K. 08628
Mohan, N. 04542
Mohan, P.V.A. 03894
Mohan, S. 07961
Mohandas, K.P. 02181
Mohanty, N.C. 02101
Mohler, R.R. 08749
09590
Mohri, Y. 01982
Mohsen, A. 01627
Mohseni-Zonoozi, H. 07781
Moir, T.J. 06383
Mokrousov, V.A. 02721
Molchanov, S.A. 08289
Moldovan, R. 02533
Molette, P. 06179
Molevich, N.E. 05763
Molfino, P. 06511
06679
Molgedey, W. 08407
Molinari, G. 06679
Moll, J.L. 01180
02862
09241
Molla, R.K. 08920
Mollier, J.C. 09120
Molodykh, V.A. 07780
Molokoedov, O.M. 06893
Molter-Orr, L.A. 05822
Molusis, J.A. 00463
Momerov, N.N. 08051
Momota, H. 04254
Mon, J.-P. 09577
Monaco, R. 04180
Moncalvo, A. 02926
Monchaud, S. 07430
Moness, M. 05225
Monget, J.M. 00565
Monllor, C. 04279
Monma, M. 07753
Monnanteuil, N. 07393
Monnig, K.A. 02861
Monsen, P. 07922
Montesfilho, A. 00042
Montgomery, J.D. 04552
06137
Montgomery, R.R. 03757
Montgomery, W.A. 07846
Monticelli, A. 00142
Montoya, C.R. 04145
Moody, M.V. 04055
Mooij, J.E. 05797
Mook, D.R. 03709
Mookerjee, P. 00463
Moon, J.-D. 03263
Moon, P.R. 00652
Mooney, D.H. 09508
Mooney, D.W. 05525
Mooradian, A. 00966
Moore, D. 07783
Moore, D.J. 06213
06245
Moore, F.R. 01476
Moore, J.B. 03116
Moore, M.C. 02022
Moore, R.K. 03102
Moore, V.A. 01712
Moore, V.S. 02798
Moore, W.J.M. 01932
Moore, W.R. 09268
Moors, M. 01926
Morack, M.M. 08203
Moran, J.A.,Jr. 02636
06579
Moran, P.R. 00505
Morandi, C. 02852
03622
Morant, M.M. 08266
Morath, D. 02459
Moravec, H.P. 00430
Morched, A.S. 01765
Mordoff, K.F. 00427
More, P.R. 05198
Moreau, Y. 01130
Morelo, J.A. 07027
Moreno, G. 08408
Moreno, L. 06111
Morettini, L. 05629
Morf, M. 06322
Morgan, A.E. 01241
Morgan, A.H. 03006
Morgan, D.R. 02387
Morgan, D.V. 02830
Morgan, G.B. 02441
09128
Morgan, G.H. 04262
Morgan, J.H. 09427
Morgera, S.D. 07883
Mori, H. 00143
00706
Mori, M. 01494

Mori, S. 01959
02437
02475
03115
04129
07241
09594
Morie, T. 05948
Morille, R. 02679
Morimoto, H. 02872
Morimoto, M. 04577
Morimoto, S. 01197
05944
05977
Morimoto, T. 01194
Morimura, K. 00325
Morinaga, N. 06359
Morini, A. 04124
Morioka, M. 09234
Morishita, K. 01349
Morissette, S. 04747
Morisue, M. 04063
04081
04267
Morita, H. 02331
Morita, M. 06779
Morita, N. 04316
Morita, S. 04224
Moritan, K. 04063
Moritz, W.E. 05296
Moriwaki, K. 09062
Moriwaki, M.M. 02706
Moriya, S. 04430
Moriya, T. 04414
Moriyasu, S. 06549
Morizio, T.E. 06627
Morkoc, H. 04392
04428
05577
05983
07609
08855
09223
09244
Morlan, P.W. 08900
Morling, R.C.S. 04784
Moroney, P. 04767
Morooka, T. 08116
Moroz, A.V. 06450
Morozov, N.A. 08439
08440
08864
Morozova, V.I. 08282
Morozowich, M. 03300
03301
Morra, G. 01677
Morrell, K.C. 08718
Morris, A.I. 00506
Morris, C.C. 06191
Morris, C.E.K.,Jr. 06968
Morris, D.J. 04548
Morris, G.M. 07324
07704
Morris, J.E. 05429
Morris, K.A. 07512
Morris, K.W. 05026
Morris, M.C. 08410
Morris, P.A. 04892
Morris, P.M. 05248
Morris, R.L. 03388
Morrison, I.F. 06554
Morrison, J.B. 08637
Morrison, R.E. 05069
Morrone, M.C. 03113
Morsy, M.S. 06558
Mortara, M.E. 07823
Morten, B. 04338
Mortensen, E.T. 03066
Mortensen, K. 06609
Mortezaie, M. 09142
Mortimer, J.T. 00530
Morton, S.G. 09463
Moschetti, A. 00218
Moschytz, G.S. 03789
05452
06321
Moseley, J.T. 06640
Moser, J. 06335
Mosher, M. 05103
Mosko, J.A. 04537
08125
Moskowitz, P.A. 04130
Moskowitz, P.D. 00221
Moskvin, V.N. 03496
Mosley, J. 09341
Mosley, W.C. 02105
Moss, C.E. 05157
06745
Moss, J.F. 01565
Moss, R.H. 05727
Mossman, D.C. 02095
Mota-Palomino, R. 06693
Motegi, S. 01087
Moto-Oka, T. 09439
Motoe, K. 02838
Motoishi, K. 00669
Motomura, Y. 05862
Motouchi, T. 01924
Mott, M.H. 09505
Mottine, J.J. 07240
Motyka, P. 00450
03623
Mouftah, H.T. 08000
Moulton, C.W. 05891
Moulton, P.F. 00942
Moultrie, B. 08603
Mouly, V.S.R.K. 01685
01687
03284
Mountain, R.W. 09050
Moura, J.A.B. 04579
Mourou, G.A. 04096
Moustafa, E. 06507
Moustakas, T.D. 05631
Moustakides, G.V. 09534
Mowrey, G. 03313
Moynihan, S.E. 04907
Moyseenko, H. 03687
Moza, K.L. 08706
Mozzhukhin, D.D. 02545
Mozzi, R.L. 08806
Mruk, I. 03554
Muchel, F. 01344
Muehlbauer, A. 05648
Muehlenfeld, E. 05219
Muehlheim, R. 01907
Muehlner, D.J. 05861
Muel, J. 03434
Mueller-Glaser, K.D. 01256
06023
Mueller-Schloer, C. 02295
Mueller, A. 06466
Mueller, B. 09267
Mueller, E.A. 07068
Mueller, G.O. 05673
05674
05675
Mueller, H.R. 04783
04785
Mueller, K.D. 05161
Mueller, R. 00709
01164
06061
Mueller, W. 06750
06761
06812
06825
Muenter, K. 06493
Muhlfelder, B. 04268
Muir, D.W. 00379
Muirhead, K. 03435
Mukai, T. 00959
Mukawa, N. 07723
Mukhamadiyarov, Kh.G. 02621
Mukhedkar, D. 00096
01922
04881
06583
08360
Mukherjee, A. 04082
Mukherjee, A.K. 01970
Mukherjee, M.K. 01105
02521
03936
Mukherjee, P.K. 01105
Mukherjee, S.K. 01286
Mukherjee, S.P. 04319
Mukhopadhyay, A.K. 08186
Mukhopadhyay, V. 05175
Mukovnikov, K.V. 04397
Mukunda Rao, M. 04518
Mulder, H. 08386
Mulder, J. 07146
Mulk, M.Z. 03801
08743
Muller, A.C. 01746
Muller, J.R. 03688
Muller, N. 01792
Muller, P. 02717
Muller, R.S. 02754
02760
04331
Mulligan, J.H. 07168
Mulligan, J.H.,Jr. 07198
Mullin, D. 09251
Mullineux, N. 05559
Mumford, M.L. 04721
Munasinghe, M. 08355
Munch, J. 00933
Munoz, C. 09566
Munoz, E. 05080
Munson, D.C.,Jr. 04766
05435
06289
07118
Munteanu, I. 07572
Munzinger, K. 08256
Muoi, T.V. 07694
Murabayashi, K. 00111
Muradov, I.G. 07496
Muraguchi, M. 02638
Murai, A. 09030
Murai, S. 03686
Murai, T. 00412
Murai, Y. 06566
Murakami, H. 01548
02376
02975
03267
06181
07958
Murakami, J. 01391
02964
Murakami, M. 04284
Murakami, T. 01494
09062
Murakami, Y. 02955
06148
Murakawa, K. 03889
Murali, T. 00657
Muralidhar, K.H. 04620
Muralidharan, V. 04603
Muramoto, S. 01194
Muranaga, K. 02083
Murari, K. 03621
Murarka, S.P. 07669
Murase, K. 02769
04399
Murase, S. 04228
04283
Murase, S.-I. 09468
Murata, M. 02948
Murata, S. 08466
09367
Murata, T. 02953
Murata, Y. 03540
Murathe-Muthee, A. 00233
Murav'ev, S.I. 02399
Murayama, Y. 01015
08212
Murday, J.S. 06579
Murison, G.E. 08311
Murley, P.C. 00283
Murotani, K. 02635
Murphy, D.P. 08058
Murphy, G.B. 09313
Murphy, J.J. 05039
Murphy, T.P. 02893
Murray, C.R. 04931
Murray, E.M. 00210
Murray, R. 07225
Murthy, K.N.V. 00159
Murthy, S.S. 01691
03282
05837
06533
08177
Murti, O.D. 02248
Murty, M.S.R. 03285
Musa, G. 08863
Musavi, M.T. 08249
Musgrove, A.R.DeL. 06698
Musha, T. 01496
Mushiake, Y. 05828
Musser, J.M. 07843
Mussino, R. 01381
Mustaphi, K.K. 02642
Muta, I. 04292
Mutluay, H. 08736
Muto, H. 05148
Mutone, G.A. 01704
Muzio, J.C. 09297
Mvall, J.O. 06834
Mvasnikov, Yu.G. 06743
Myall, J.O. 04145
Myasnikov, A.G. 06897
Myers, A.F. 00487
Myers, D. 06274
Myers, E. 022
Myers, M.L. 066
Myers, R.C. 090
Mygind, J. 041
Myra, J.R. 066
Myzgin, E.A. 010

Nabatov, A.S. 086
Nabeyama, H. 029
Nablo, S.V. 034
Naden, J.M. 064
Nadezhdinskii, A.I. 073
Nadoliiski, M.M. 038
Naemura, K. 094
Nafisi, A. 075
Nag Sarkar, T.K. 081
Nagabhushana, G.R. 007
Nagaev, K.E. 035
Nagahashi, Y. 065
Nagai, H. 077
Nagai, K. 068
Nagai, N. 017
049
Nagamune, I. 029
Nagano, M. 000
Nagano, S. 081
Nagao, S. 044
Nagaoka, Y. 026
Nagaraj, K. 071
Nagarajan, R. 012
Nagasaka, K. 039
Nagasaki, S. 049
Nagata, K. 058
Nagata, M. 082
092
Nagatani, Y. 032
Nagatomo, M. 044
Nagatsuma, T. 041
Nagaya, K. 019
Nagel, R.N. 020
Nagin, A.P. 059
Nagornyi, M.M. 082
Nagpal, D.R. 060
Nahamoo, D. 068
Nahman, J. 065
Nahory, R.E. 093
Nail, D.M. 017
049
Nailk, K.B. 081
Nair, K.G. 016
Nair, V.K.R. 059
Naito, K. 007
Naito, T. 065
Naito, Y. 026
045
054
080
Naitoh, H. 065
Najafi, H. 046
Nakabasami, T. 081
Nakada, T. 004
Nakagawa, A. 067
Nakagawa, H. 0125
0261
0264
0409
0819
Nakagawa, K. 0292
Nakagawa, R. 0061
Nakagawa, T. 0490
0652
Nakagawa, Y. 0111
Nakagome, Y. 0126
Nakahara, J.H. 0175
Nakahara, M. 0457
0844
0844
Nakai, J.-I. 0728
Nakai, K. 0270
Nakai, M. 0283
Nakai, S. 0436
Nakai, T. 0644
Nakajima, H. 0308
0612
0934
Nakajima, K. 0415
Nakajima, M. 0069
0882
Nakajima, S. 0448
0594
06394
Nakajima, T. 00173
07755
Nakamae, E. 06830
Nakamae, M. 04452

Nakamichi, Y. 06791
Nakamoto, Y. 01840
Nakamura, H. 06004
Nakamura, I. 08199
Nakamura, K. 01949
02333
08978
Nakamura, M. 06368
09375
Nakamura, N. 00790
08862
Nakamura, S. 02401
04864
05502
06676
07143
Nakamura, T. 02681
04452
05866
09573
Nakamura, Y. 02905
05880
Nakane, H. 03492
08462
Nakane, S. 02624
Nakanishi, K. 01774
Nakanishi, T. 00353
04227
Nakano, A. 05621
05622
05623
07282
Nakano, F. 01701
Nakano, H. 08103
08122
Nakano, M. 02822
06525
Nakano, S. 06830
Nakano, T. 04480
04485
Nakao, S. 02806
Nakao, T. 00196
Nakata, H. 02806
Nakata, T. 07517
Nakata, Y. 01235
Nakau, T. 03926
Nakayama, K. 05058
09573
Nakayama, M. 00775
Nakayama, Y. 04473
Nakazawa, M. 00748
00751
Nakhmanson, R.S. 06780
Nakwaski, W. 00821
04020
Nalbandian, V. 04834
Nalcioglu, O. 05042
05301
Nall, K.L. 09423
Nam, B.H. 06608
Nam, N.-H. 07003
Namba, S. 03429
04114
07391
08976
09009
09010
Nambu, S. 05501
Nambu, T. 04905
Namburi, N.R. 00075
Namekawa, T. 02948
06359
Namihira, Y. 09328
Namjoo, M. 06002
Namuduri, C. 08834
Nanayakkara, K. 02745
Nanda, J. 08253
Nandi, P.K. 00303
Nandi, R. 07195
Nandi, S. 07195
Naor, M. 08119
Napartovich, A.P. 07394
Napolitano, D.A. 09500
Naqshbendi, S.F.H. 00658
07207
Nara, M. 00098
Nara, Y. 09233
Narasimhamurthi, N. 05029
08196
08249
Narasimhan, G.S.L. 04588
Narasimhan, M.S. 08002
Narasimhara Rao, M. 00508
Narayan, L.R.A. 02206
02248
Narayan, S.S. 00639
Narayana, P.A. 02161
Narbut, S.M. 06719
Nardone, V.C. 08394
Nardoni, G. 06847
Narendra, K.S. 04646
Naruke, Y. 07629
Naruse, A. 05105
Nasar, S.A. 01698
Nasby, R.D. 04476
Nash, C.L. 05011
Nash, F.R. 07544
Nash, H.O. 07078
Nash, J.G. 09276
Nasi, M. 00442
Nasiruddin 08162
Nason, R.R. 00381
Nasser, A. 00642
Nassif, S.R. 06077
Natali, P. 04784
Natarajan, R. 02067
Natarajan, V. 05563
Natesan, J. 03405
Nath, A.K. 00969
Nathenson, R.D. 06677
Natori, K. 04483
Natsui, K. 08199
Nauck, J. 06179
Nauda, A. 07900
Naughton, J.F. 01433
Naumann, G. 05031
Naumov, A.P. 02180
Naumov, M.S. 00261
Naumov, M.V. 09083
Naumov, N.M. 01928
Nauta, F. 00454
Navarro, A.A. 02223
Navasardyan, G.V. 00377
Naviaux, J.C. 04723
Navneet, P.K.C.P. 02537
Navon, D.H. 01177
01215
01222
05923
Nawathe, S.P. 07870
Nayak, N.V. 04584
Nayar, B.K. 07337
Naylor, J.R. 03848
Nazarenko, A.V. 09157
Nazargulov, R.M. 05541
Nazaruk, A.V. 03424
Nazif, A.M. 03578
Neben, G. 03077
Necsulescu, C. 06572
Nedbai, A.I. 09141
Nedell, W. 06958
Nedopekin, F.V. 08377
Nedosa, P.S. 09402
Nedungadi, A. 02396
Needham, E. 02451
Needham, M.E. 05026
Nefedov, S.N. 07514
Neff, J.A. 02296
Negishi, Y. 06148
07770
Negrini, P. 05626
Nehl, T.W. 01680
08141
09163
Nehorai, A. 04746
Nehring, D. 08735
Neidert, R.E. 04830
08080
Neiheisel, G. 00396
Neikirk, D.P. 06734
09065
Neil, C.C. 00911
Neil, G.R. 00933
Neilson, J.E. 07995
07996
Nelander, A. 07914
Nellis, C. 01786
Nellis, M.D. 03449
Nelson, D.L. 03760
03770
Nelson, D.V. 07697
Nelson, E.T. 00774
08905
Nelson, J.P. 08270
Nelson, L.Y. 00926
Nelson, P.A. 00188
Nelson, R. 09316
Nelson, R.D. 07639
Nelson, R.J. 07374
07375
09024
Nelson, T.J. 05861
Nema, R.S. 01757
Nemoto, S. 00893
05670
Nemoto, Y. 02421
08061
Nenov, G.A. 07112
Neppl, F. 07649
Nerbonne, G.P. 00352
Neretina, G.V. 04361
Neri, G. 04784
Neri, J.M. 00263
Ness, J. 06461
Ness, W.G. 00478
Nessett, D.M. 06098
Nesterov, G.V. 00266
Nestor, J.A. 06005
Nestorovich, A.V. 08513
Netch, A. 01522
Neto, A.R. 06385
Netravali, A.N. 03962
Netzer, D.W. 05269
Neudorf, E. 00154
Neugebauer, C.A. 06081
Neugroschel, A. 07270
Neuhaus, M. 01022
Neuhauss, H. 05161
Neuman, C.P. 05714
Neuman, F. 02114
Neumann, K. 01280
Neureuther, A.R. 02816
Neurgaonkar, R.R. 07316
Neuvo, Y. 08738
08836
Nevels, R.D. 03202
Nevelsteen, J. 05549
Nevill, G.E. 09147
Newcomb, R.W. 02425
Newcomb, W.W. 07036
Newcomer, K.E. 03091
Newell, A.C. 01666
Newell, R.J. 06609
Newkirk, J. 06050
07621
Newman, D.S. 01221
Newman, J.J. 05878
Newman, J.S. 08629
Newman, P.R. 02550
Newnam, B.E. 00921
Newnham, R.E. 09084
Newsom, J.R. 05175
Newton, A.R. 04460
04464
Ney, H. 04673
Ng, K.K. 02742
Ng, M.J.T. 07102
Ng, W. 08997
Nguyen, C.T. 08137
Nguyen, D.H. 04923
Nguyen, D.T. 08639
Nguyen, L.N. 02435
07940
07991
Nguyen, T.T. 07465
Ni, L.M. 05703
Nichols, D.K. 08263
Nichols, D.N. 08905
Nichols, R.A. 08603
Nichols, W.H. 08161
Nicholson, J.P. 00946
00980
Nicholson, P.J. 02913
Nickelson, R.L. 06102
Nickolls, P. 07641
Nicolaides, C.A. 05746
Nicolais, L. 00218
Nicolas, A. 06753
06799
Nicolau, P. 06712
Nicolet, M.-A. 00782
05562
Niculescu, H. 06712
Niculescu, N. 08863
Nie, H.-Q. 04369
Nied, H.A. 07232
Niedziela, T. 05143
Niedzwiedz, S. 00783
Nieh, S.T.K. 04510
Niehenke, E.C. 01642
Nielsen, A.K. 04606
Nielsen, E. 01523
07071
Nielsen, E.K. 04907
Nielsen, T.K. 03067
Niemela, P. 08375
Niepold, R. 00443
Nieto, J. 02337
Nigam, M.J. 07247
Nigg, D.W. 00745
Nightingale, N.R.V. 00522
Nigro, M.S. 01495
Niimura, Y. 01690
Niinikoski, T.O. 03556
Niiro, Y. 09328
Nikaien, K. 00327
Nikheev, M.N. 05832
Niki, H. 00321
Nikias, C.L. 03144
Nikiforov, L.G. 04298
Nikitenko, N.F. 08503
Nikitin, A.I. 05845
Nikitin, V.V. 05832
Nikitina, N.E. 00024
Nikityuk, N.M. 06894
Nikkola, M.A. 04668
Nikolaenko, A.P. 07073
Nikolaenko, V.M. 03812
Nikolaevskii, V.G. 06770
Nikolenko, N.G. 01274
Nikolov, I. 04972
Nikolova, L. 09044
Nikolova, V. 04972
Niles, G.B. 09101
Nilson, R.H. 08847
Nilsson, B. 04147
07914
Nilsson, N.E. 01700
Nilsson, S.L. 08271
Nimetz, M. 02932
Ning, T.H. 07560
Ning, T.S. 05022
Ninomiya, I. 02151
Ninomiya, K. 07241
08198
Ninomiya, Y. 07779
Nippoldt, M.A. 02610
Niqueletto, C. 04187
Niquil, M. 07741
Niro, Y. 01371
Nisenoff, M. 04208
04240
Nishi, M. 04232
04253
04264
Nishi, T. 07170
08793
Nishi, Y. 09030
Nishida, F. 03130
Nishida, K. 01362
Nishida, M. 05566
Nishida, S. 00089
04313
Nishihara, H. 03975
08921
Nishihara, M. 02627
Nishii, K. 04436
Nishiizumi, K. 00304
Nishikawa, A. 03037
Nishikawa, H. 00099
00108
Nishikawa, M. 03529
03530
04345
06552
Nishikawa, T. 00111
07493
Nishikori, A. 06611
Nishimoto, H. 00960
Nishimura, D.G. 06994
Nishimura, I. 02955
04577
Nishimura, K. 07809
Nishimura, Y. 02003
Nishino, K. 00436
Nishio, K. 00692
Nishioka, H. 08879
Nishioka, I. 02845
Nishioka, K. 01683
Nishioka, T. 02528
Nishiura, N. 02151
Nishiwaki, H. 00790
Nishiwaki, S. 08208
Nishizawa, K. 07739
Nishizawa, T. 02976
Nithiyanandam, N. 02969
08937
Nitta, J. 09286
Nitta, S. 00346
Nitta, T. 00091
04292
06549
Niwa, K. 04414
Nixon, M. 07896

Niznik, C.A. 05329
Noad, J.P. 08911
Noble, T.F. 08310
Nobuyoshi, T. 04316
Nocedal, F.M. 07972
Nock, H.T. 05021
Nocker, R. 06400
Noda, M. 02488
09198
Nodes, T.A. 03802
08742
Nodine, M. 07791
Noel, B.W. 05163
05584
Noel, G.T. 08341
Noerr, K.T.B. 06167
06170
Noguchi, E. 04485
Noguchi, K. 07701
Noguchi, M. 04738
Noguchi, T. 03003
06079
Noice, D.C. 02836
Nokes, C.S. 09446
Nokubo, J. 04452
Nolt, I.G. 08924
Nolthenius, H.J. 00382
Nomura, H. 09000
Nomura, M. 02320
08242
Nomura, S. 05851
Nomura, T. 06676
Nonomura, S. 05632
Noorbehesht, B. 01078
06386
Nooss, W. 07524
Nordby, K.S. 06422
Norde, H. 01139
07542
Nordell, D. 08238
Nordenberg, I. 07915
Nordholt, E.H. 03845
Nordin, L. 09155
Nordlander, E. 02548
Nordman, J.E. 04233
07447
08805
08813
Nordquist, A.E. 08809
Nordsieck, A.W. 08768
Norkus, V. 02551
02633
Norlin, B. 02045
Normann, R.A. 05343
Norris, E.B. 00747
Norris, J.R. 03441
North, D.M. 08583
Northcote-Green, J.E.D. 05009
06574
06688
Norton, E.T. 09165
Norton, R.E.,Jr. 04572
Norum, W.E. 00104
Norvell, S. 04614
Norwood, D. 00225
Nosach, V.Yu. 00981
Nosal'skaya, N.I. 06767
Nosek, T.P. 02085
Noso, K. 02341
Nosu, K. 09353
Noto, F. 05565
05566
Noto, R. 06007
Notthoff, J.K. 04434
Noujaim, S.E. 07692
Nouri, M. 02980
07775
Nourris, M. 04959
Nourse, G. 01786
Novak, L.V. 08691
Novender, W.-R. 06812
Novikov, A.M. 08377
Novikov, S.A. 03884
Novikov, V.V. 08701
08705
Novikova, I.A. 06829
Novitskii, F.N. 04816
08904
Novoselov, V.G. 04446
07655
Novoselov, V.P. 01846
Novotny, D.W. 01681
01713
03264
Nowak, H. 04921
Nowak, M. 00275
Nowak, T.G. 03311
Nowakowski, Z.K. 01278
Noyori, M. 01235
Noz, M.E. 05295
Nozaki, S. 05903
Nudd, G.R. 04449
09276
Nuesch, D.R. 06294
Nulman, J. 02746
07588
Numata, S. 08364
Nundy, U. 00969
Nunn, D. 08031
Nunnally, W.C. 03900
Nunnelley, L.L. 05877
Nunomura, K. 03893
Nuriev, F.N. 03521
Nurminen, J.I. 09040
Nurre, G.S. 08611
Nusbaum, M. 01568
Nusinovich, G.S. 00044
07361
07368
Nussbaum, A. 04444
Nussbaumer, H.J. 08745
Nussenzveig, H.M. 08966
Nuttall, A.H. 04742
06391
Nuttall, L.J. 08371
Nyberg, S. 05715
Nyberg, U. 03390
Nye, W.T. 03777
Nylander, C. 03546

O'Bell, D.R. 05259
O'Brien, B.V. 03018
O'Brien, C. 06128
O'Brien, J.D. 06289
O'Brien, P.J. 00468
O'Brien, R.R. 00283
O'Connell, R.F. 01151
O'Connor, J.M. 05938
O'Connor, R.P. 03688
O'Dell, T.H. 08574
O'Donnell, M. 05697
O'Neill, E. 05947
O'Neill, J.J. 06462
O'Reilly, P.J.P. 03748
O'Shaughnessy, D. 04683
O'Sullivan, C. 06186
O'Sullivan, G. 05052
O'Sullivan, J.D. 01393
O'Sullivan, T.D. 05241
O'Sullivan, V.T. 00520
O'Toole, M. 00812
Oancea, A.M. 08863
Oba, K. 05589
Obaid, A.A.S. 06455
Obama, M. 02047
Obara, M. 01391
07413
08959
09027
Obata, K. 03801
Obata, T. 01091
Oberg, D.L. 00742
Oberg, K.W. 01781
Obermeier, E. 08850
Obled, C. 03724
Obrist, G. 03210
Occhini, E. 00134
Ochi, T. 09486
Ochiai, T. 02333
Ochoa, A.,Jr. 04429
Ochoa, E. 00896
Octave-Prignot, M. 02134
Oda, E. 04495
Oda, K. 02331
Oda, T. 00940
Oda, Y. 04272
Odajima, A. 01914
Odaka, K. 03081
Odake, T. 02616
Odani, M. 01243
Odar, W. 08303
Oddy, C.J. 05725
Odermatt, K. 08194
Oehlen, C. 01718
Oelgart, G. 02526
Oestberg, A. 07867
Oestreicher, L. 06258
Oetting, J. 02897
Oezsan, M.E. 05912
Offiler, D. 07060
Offutt, D.O. 09382
Oflazer, K. 02377
Ofry, E. 00222
Ogasawara, T. 04254
04272
Ogata, H. 01446
08364
Ogawa, A. 00091
09415
Ogawa, K. 01375
04502
05740
Ogawa, M. 04653
Ogawa, Y. 03252
Ogden, C. 06655
Ogino, M. 02475
Ogorodnikova, E.A. 03086
Oguchi, T.O. 04818
Ogue, J.C. 02393
Oguey, C. 09356
Ogunnaike, B.A. 02018
Ogura, M. 01243
03464
Ogura, Y. 01243
Ogurechnikova, N.M. 09069
Oguri, F. 06280
Ogusu, K. 04318
Oguztoereli, M.N. 05338
Oh, C.H. 06729
Oh, J.E. 01959
Oh, K.H. 01170
Oh, S.-Y. 01180
Ohara, S. 01338
Ohashi, H. 00122
06769
Ohashi, M. 06139
09368
Ohata, K. 00133
01218
Ohba, H. 06442
Ohba, K. 04042
Ohdate, H. 01305
Ohgo, T. 00970
Ohguma, H. 04228
Ohira, S. 07753
Ohkawa, H. 02609
Ohkawa, K. 01913
Ohkawa, S. 05095
Ohkawai, H. 00346
Ohki, T. 01768
Ohkouchi, M. 03072
Ohkura, I. 05995
09279
Ohlhaber, R.L. 07751
Ohlson, R.N. 05549
Ohm, D. 00392
Ohmachi, S. 06368
Ohmachi, Y. 02528
Ohmari, Y. 04577
Ohmiya, M. 03252
Ohmori, Y. 07388
Ohmura, M. 00698
Ohnishi, H. 04427
04473
Ohnishi, M. 00790
Ohnishi, T. 04454
Ohno, H. 01227
09243
Ohno, K. 09406
Ohno, T. 02835
Ohnogi, Y. 04958
Ohnuki, H. 01502
Ohnuki, N. 01502
Ohnuma, T. 06645
Ohoka, A. 02575
Ohsawa, J. 00941
Ohshima, I. 01087
Ohshima, S. 09375
Ohsuka, S. 05591
Ohta, H. 03873
Ohta, I. 09249
Ohta, K. 01319
Ohta, M. 02960
Ohta, S. 04863
Ohta, T. 01338
01511
01556
Ohta, Y. 00775
08980
Ohtake, T. 00751
Ohtsu, M. 02592
05753
Ohtsubo, T. 01446
Ohtsuka, F. 07753
Ohtsuka, K. 02335
Ohtsuka, N. 03474
Ohtsuka, Y. 00823
Ohtsuka, Y. 0105
0264
0403
0777
Ohwada, K. 0119
0443
0922
Ohya, J. 0254
0894
Oida, Y. 0283
Ojeda-Castaneda, J. 0088
Ojima, M. 0096
Oka, H. 0448
Oka, M. 0926
Okabe, T. 0062
Okada, K. 0582
Okada, M. 0656
0667
Okada, T. 0429
0654
0683
Okafor, L.O. 0052
Okamoto, H. 0250
0432
0563
0738
0886
Okamoto, T. 0188
Okamoto, Y. 0062
0768
Okamura, F. 0267
Okamura, Y. 0731
Okano, S. 0385
Okano, T. 0776
Okawa, M. 0009
Okayama, S. 0566
Okazaki, K. 0201
0588
0599
Okazaki, S.-I. 0170
Okazato, A. 0009
Okinaka, H. 0790
Okino, M. 0951
Okino, Y. 0151
0260
Okitsu, H. 0294
Okoshi, T. 0934
Oksanen, M.I. 0002
Okubo, N. 0881
Okuda, K. 0249
0250
Okumura, H. 0418
Okuno, K. 0423
0425
0426
Okuyama, H. 0388
Okuyama, K. 0192
Okuyama, M. 0113
0919
Olalde, G. 0183
Oldham, H.E. 0282
Oldham, W.G. 0254
0507
0925
Olefir, V.P. 0806
Oleinik, O.I. 0742
Oleinikov, P.P. 0832
Olesen, J. 0006
Oliver, B.M. 0074
Oliver, R. 0006
Olivier, D.N. 0494
Olivier, G. 0488
0506
Olivo, B. 0840
Olivo, P. 0123
Ollendorf, S. 0859
Olorunfemi, J.F. 0369
Olsen, L.C. 0727
Olsen, N. 0350
Olsen, R.G. 0052
0747
Olsen, R.L. 0161
Olshansky, R. 0402
Olson, J.W. 0936
Olson, K.A. 04561
Olson, L.M. 0208
Olson, R.E. 0531
Olsson, L. 06494
Olsson, N.A. 04010
04022
07377
08977
Olund, J.F. 04510
Omel'yanenko, M.N. 05541
Omelyanchouk, A.N. 06875
Omote, Y. 05868

aka, K. 03464
eill, P.E. 09510
ng, C.M. 00064
00065
00066
00067
08183
08874
ng, R.S.B. 00003
ng, T.-C. 02693
nishi, K. 01956
nishi, M. 02486
no, C. 04489
no, M. 00310
01724
02641
no, R.H. 02613
no, S. 08828
no, Y. 09234
nodera, H. 04454
nstott, R.G. 03102
nuki, K. 01064
numa, T. 04436
numa, Y. 02828
nyshkevych, L.S. 07667
oi, B.T. 06601
06602
08229
oi, K. 02971
ommen, T.V. 09166
osterlinck, A. 08936
otsuka, N. 00739
Opalski, W.E. 00495
Ophir, J. 02161
Opificius, J. 03762
Opitz, N. 07296
08889
Opoku, G. 08183
Oppenheim, A.V. 03134
Opran, M.E. 07773
09337
Oraevskii, A.N. 05763
Oran, W.A. 02460
Oranen, J. 01411
Orazem, M.E. 05607
Orbeck, T. 09175
Oreb, B.F. 07331
Orefice, M. 06405
Orfanidis, S.J. 00660
Organic, V.J. 07304
Orhaug, T. 07914
Orishich, A.M. 07347
Orlandi, G. 08752
08754
Orlando, T.P. 04237
Orlikovskii, A.A. 05795
Orloff, K.L. 02598
07433
Orlov, Yu.I. 00007
Orlovskii, A.A. 08036
Ormondroyd, R.F. 07371
Oron, M. 02684
Orr, J.A. 01466
01781
06562
09099
Orr, J.R. 04155
Orsitto, F. 00982
Orsucci, M. 00645
Ortiz-Conde, A. 01189
02741
02773
Ortiz, C. 05710
Ortiz, E. 01014
Ortiz, J.A. 06338
Ortmeyer, T.H. 02418
03273
Ortolano, D.J. 03412
Orton, D.E. 09288
Oruc, A.Y. 09299
Orvis, W.J. 01126
Orwat, T.S. 02057
Osada, T. 01949
Osaki, H. 00426
Osamo, N.O. 00528
Osawa, Y. 01723
Osbrink, N.K. 06458
08803
Osetrov, V.P. 06635
Oshima, H. 05563
Oshima, T. 01325
Oshimoto, M.A. 04370
Oshitani, M. 08308
Osipov, V.P. 07455
Osman, M.A. 01177
Osmolovskii, I.K. 08609
Osmundsen, J.H. 00919
Ostapenko, V.D. 02664
04348
Ostenson, J.E. 04100
Oster, D.L. 04465
Ostermayer, F.W. 04407
Ostermeyer, J. 00119
Ostern, A.M. 05086
Osterwald, C.R. 03932
Ostoja, P. 05626
Ostrovskii, L.A. 00024
Ostrovskii, O.I. 00300
Ostrovskiy, A.S. 00827
Ostwald, O. 08081
Oswald, W. 07146
Otis, G. 00972
Otis, J.N. 05299
05313
Oto, D.H. 04510
Otstavnov, P.S. 05152
Otsuka, K. 00958
Otsuki, T. 09249
Ott, E. 00931
Otterman, J. 00538
Ottinger, P.F. 06629
Otto, A. 06597
Ou, S.-T.S. 00799
Ou, S.S. 04439
Ouchi, K. 05879
Ouhayoun, M. 01056
Ouimet, Y. 07177
Ouslimani, A. 04076
Ousterhout, J.K. 06033
07164
Outlaw, R.A. 05619
Ovechkina, G.I. 03911
Overhaus, H. 02138
Overman, K.C. 04760
Overton, B.J. 07466
Ovren, C. 07661
Ovsyannikov, G.A. 04098
04171
04193
Ovsyannikov, P.A. 01626
Owechko, Y. 05692
Owen, D.R.J. 07545
Owen, E.L. 03289
08203
Owen, E.W. 04145
Owen, K. 07810
Owen, R.E. 03742
Owen, W.G. 05334
Owenier, K.A. 03808
Owens, F.J. 04671
Owens, J.M. 07204
Oxley, T.H. 02639
Oya, G. 04150
Ozaki, H. 01243
04487
Ozaki, T. 04368
Ozaki, Y. 02916
Ozanich, G.W. 07682
Ozarow, L.H. 09564
09572
Ozawa, O. 04483
Ozawa, T. 00672
00685
Ozawa, Y. 01789
Ozeki, O. 03763
Ozeki, T. 09375
Ozu, T. 05866
Ozyazici, M.S. 02587

Paama, L.A. 08492
Pabon, R.S. 04625
Pace, S. 04178
04234
05803
Pace, W.D. 06259
Pachter, M. 05428
Paciorek, K.J.L. 01755
Packard, D.C. 04509
06073
Padamsee, H. 04057
Padan, U. 02398
Padovani, M. 01442
Padovani, R. 01547
Paehlig, K. 09490
Paek, U.C. 09365
Paganuzzi, G.M. 03236
Page, R.C. 09012
Paggi, R. 01086
Pagliaro, R.,Jr. 01268
Paglione, R. 05305
06114
Pagurek, B. 07995
07996
Pahlavan, K. 09560
Pai, K.R. 05512
08796
Pai, M.A. 03389
04866
06535
Paice, D.A. 00072
04206
Paik, H.J. 04055
Paik, N. 04903
Paine, J.S. 08178
Painter, J.H. 06348
Pakerabol, M.M. 02404
Pakhorukov, V.A. 05897
Pakulin, V.N. 08391
Pal, S. 03490
Palaio, N.P. 01894
Palaith, D.E. 01099
Palanivelu, T.G. 00055
00058
Paler, K. 05726
07662
Palesko, C.A. 01266
Palii, G.N. 08491
Palka, R. 06800
Palm, B.J. 02507
08871
Palma, A. 01986
05698
Palmateer, S.C. 04395
Palmer, A.H. 04907
Palmer, F.M. 03632
Palmer, G. 05786
Palmer, J.M. 07032
08661
Palmer, L.B. 07054
07058
Palmer, L.C. 07932
Palmer, R.B. 04156
Palmer, R.E. 01773
Palmer, S.B. 01997
Palmo, M.A. 06802
Palser, R.F. 00759
Paludi, C.A.,Jr. 07198
Pamyatnykh, E.A. 00271
Pamyatnykh, Ye.A. 05576
Pan, J.J. 06142
Pan, S.-K. 03874
Pan, S.N. 06099
Pan, S.X. 02576
Pan, Y.C. 00163
Panarella, E. 07255
Panasyuchenko, A.M. 05067
Panasyuk, M.I. 06897
Panchal, N.S. 03714
Pancholi, M. 05686
Pancholy, R. 02768
Pande, K.P. 05938
Pandel, J. 00649
03788
07140
Pandey, P.C. 00532
02277
04821
Pandya, D.K. 00712
Panepucci, H. 00323
Panferov, Yu.F. 03152
Panfilova, E.E. 05841
Pang, K.K. 02395
Pang, S. 07407
Pangratz, H. 02413
Panigrahi, B.K. 02521
Panin, V.I. 07498
Panjkov, A.A. 06886
Pankov, V.A. 03988
Panlener, M.D. 08160
Panock, R. 09370
Panos, N. 09505
Panousis, P.T. 01170
Pantani, L. 01006
Panteleev, A.V. 08543
Pantell, R.H. 00735
05062
Pantis, H.J. 04992
Paoletti, A. 05809
Paoli, T.L. 04006
08962
Paoloni, F.J. 04825
Paorici, C. 02685
Papa, A.F. 04960
Papa, J.J.S. 09322
Papachristos, G. 03401
Papadias, B.C. 04940
Papadopoulos, A.B. 07851
Papadopoulos, A.B. 07852
Papadopoulos, D. 06436
Papadopoulos, G. 06388
08777
Papamichalis, P.E. 01585
Papantoni-Kazakos, P. 06357
Papanyan, V.O. 05055
Papazov, G. 00181
Pape, D.R. 07326
Papko, V.V. 05550
Papoulis, A. 07973
Papp, A. 01456
Pappalardo, M. 01994
Pappe, M. 04194
Paraboni, A. 01636
Parada, N.D.J. 00542
Paramus, N.J. 00192
Paranjpe, S.K. 07167
Paranto, J.N. 08405
08967
Paras, P. 00757
00758
Paraschivoiu, I. 03268
Parasochkin, V.A. 03812
Parazzoli, C. 00934
Parekh, J.P. 07205
Parekh, R.H. 05642
Parent, M. 08557
Paretzkin, B. 08410
Parfenov, V.V. 08926
Parikh, P.D. 02453
Parisi, G. 01337
Parisi, J. 09056
Parizh, M.B. 04148
Park, D.C. 03779
Park, G.L. 05379
Park, H.K. 06861
Park, H.S. 01209
Park, H.W. 06729
Park, K.S. 08578
Park, M.-H. 06528
Park, P.K. 05827
Park, S.-I. 00114
Park, S.K. 00892
07023
08940
Park, W.T. 00424
Park, Y.E. 02671
Park, Y.J. 02766
Park, Y.W. 01802
Parke, M.E. 00561
Parker-Jenkins, W. 07306
Parker, D. 03654
Parker, D.L. 03659
Parker, F.J. 06550
Parker, H. 08410
Parker, I.N. 03997
Parker, J.A. 03998
Parker, J.H.,Jr. 04277
Parker, K.J. 02162
05297
Parker, P.A. 02155
Parker, R.K. 00937
Parker, R.M. 03391
Parker, S.R. 02391
03806
08750
Parker, T.S. 02439
Parkes, J. 07091
Parkhomenko, Y.N. 08998
Parkin, S.S.P. 01012
Parkinson, B.W. 03089
Parks, D.E. 00470
Parks, G.B. 05495
Parks, T.M. 04841
Parks, T.W. 01860
03137
07108
07887
Parmentier, R.D. 04236
Parmer, J.F. 04217
Parmigiani, F. 03970
Parodi, M. 01947
Parodi, R. 04138
06796
Paroli, P. 05809
Parr, A.C. 02531
Parretta, A. 02511
Parrish, A. 00578
Parrish, R.V. 00486
Parrot, M. 03226
Parry, G. 09178
Parthasarathy, K. 03314
Partridge, S.L. 02820
05962
Paschke, H. 02482

Pasciak, J.E. 06758
06817
Pasco, R.W. 02467
07239
Pashagin, A.I. 01079
Pashtoon, N.A. 05481
Pasian, F. 07910
Pask, C. 01354
07765
09388
Paslen, V.N. 00827
Pasotti, G. 04198
Pasquet, D. 05736
08989
Passias, D. 05636
Passow, R.H. 05953
Pasternak, V.B. 08482
Pastoor, S. 01389
01390
Pasupathy, S. 01422
01423
01594
09549
Patankar, M.G. 04601
Patel, A.N. 02246
Patel, M.R. 06677
Patel, S. 01727
Patel, S.G. 03295
Paterno, G. 04087
Pathak, A.K. 01416
Pathak, P.H. 01664
Pati, S.P. 04379
05895
Patmios, E. 03685
Patnaik, L.M. 07626
Patorski, K. 07323
07362
08947
Patramanskii, B.V. 05831
Patranabis, D. 05483
08787
Patrushev, G.Ya. 06445
Patsegon, N.F. 03321
Patsiokas, S. 06485
Pattanayak, D.N. 02755
Patterson, A. 04277
Patterson, M.S. 01992
Patterson, R.D. 01995
Patton, R.J. 08688
Patzer, K. 02538
Pau, L.F. 04503
Paul, A.N. 05483
Paul, D.K. 09347
Paul, G.R. 02427
Paul, H. 00968
Paul, H.S. 01029
Paul, I. 02383
Paul, R.J.A. 07449
Paulin, J. 05159
Paulin, S. 03669
Paulos, J.J. 01188
Paulsen, D.E. 00485
Paulson, D.L. 03333
Paulter, N.G. 03922
Pauwels, E.K.J. 00527
Pauwels, H. 08877
Pavate, K.D. 01569
Pavel'ev, V.G. 06424
Pavin, N.Ya. 02658
Pavio, A.M.,Jr. 09546
Pavlasek, T.J.F. 00806
Pavlenko, Yu.F. 08430
Pavlicek, H. 04107
Pavlov, B.P. 08379
Pavlov, D. 00181
Pavlov, V.M. 04373
Pavlovskii, A.I. 03884
Pavros, S.K. 01978
Pawar, S.H. 03335
03942
Pawlowska, H. 07633
Pawlowski, W. 07633
Pawula, R.F. 06177
07931
07984
Payer, R.L. 05988
Payne, D.N. 09376
Payne, S.J. 00825
Payri, F. 02337
Payzin, A.E. 03128
Pazhempally, J.J. 01918
Pazos-Rangel, R.A. 06255
Peabody, M.R. 01821
Peach, L.L. 00468
Peal, K.R. 05367
Pearce, G. 00576
Pearlman, A.S. 05296
Pearmain, A.J. 06585
Pearson, A.D. 07730
07735
09384
Pearson, T.J. 04710
Pearson, W.R. 02452
Pearton, S.J. 02699
Pease, R.F.W. 04044
Pechacek, R.E. 08058
Pechpunsri, W. 00074
Pechurin, N.K. 00593
Peck, D.D. 08399
Peckham, G.E. 02186
02278
Peckham, G.L. 06124
Peckham, J. 04679
Peczalski, A. 02757
Peddie, R.A. 00131
00241
Peddieson, J.,Jr. 00327
Pedersen, H. 07070
Pedersen, H.E. 03067
Pedersen, N.F. 04180
Pederson, D.O. 07158
Pedlar, A. 07069
Pedraza, P. 04040
Pedrotti, L.R. 06630
Peebles, P.Z. 07872
Peebles, P.Z.,Jr. 01528
Peeters, F.M. 01118
Pegrum, C.M. 04157
Pei, S.S. 04215
04216
Peikari, B. 01484
Peikov, P. 07585
Pejsa, R. 03916
Pekarskii, G.Sh. 08397
Peklivanov, Kh.N. 00842
Pekmestzi, K. 02386
Pel'ts, S.D. 01072
05844
Pelavin, R. 02810
Peled, A. 07892
Peled, E. 00186
Pelgrom, M.J.M. 02957
Pelipenko, V.I. 07385
Pelka, J. 00290
09180
Pellegrin, J.D. 07788
Pellegrini, P.F. 08047
Pelletier, R.T. 03684
Pelley, P.H.,III 04481
Pelosi, G. 01611
09514
Peluso, G. 04167
Pempie, P. 03376
Penchuk, A. 02086
Penco, E. 07402
Peneva, I.H. 08059
Penfield, P.,Jr. 06028
Penkina, N.V. 00214
Penman, J. 06803
06804
Pennebacker, W.B. 06159
Penney, G.W. 05083
Pennington, J.E. 05237
Pennington, K.S. 06159
Pennington, P.J. 03388
Pennock, G.R. 03608
Pent, M. 07800
07821
Pentland, A. 02170
Pepel'nyuk, V.I. 02447
Peraldo Bicelli, L. 05605
Perasso, D.C. 04413
Perdomo-Teran, D. 03780
Perebyakin, V.A. 09016
Pereira, M.V.F. 03312
Perel'shtein, L.P. 09134
Perevalov, S.P. 08033
08474
Pereyra, I. 08883
Perez, F. 05516
Perez, J.J. 07722
Perillo, L. 04321
Perin, J.M. 08058
Perina, J. 00013
Perinbam, J.R.P. 01566
02943
04578
Perini, J. 04307
Perinova, V. 00013
Perkins, F.W. 08291
Perkins, J.S. 07054
Perkins, L.C. 09508
Perkins, R. 00193
Perkins, W.A. 03583
05719
Perkins, W.H. 05973
Perlatov, V.G. 03521
Perlman, B. 06114
Perlmutter, P. 06498
Perlmutter, R.J. 01003
06998
Perlow, S.M. 04350
Perna, A. 01442
Pernin, J.L. 01448
Pernisek, M. 03921
Perone, S. 08298
Perone, S.P. 03324
Peronnet, G. 00047
05291
Perot, J. 04128
Peroutka, M.R. 09506
Perov, A.N. 07385
Perov, N.S. 06888
Perrachione, D. 09244
Perrault, F. 07728
Perret, R. 06540
Perry, B. 03657
Perry, B.D. 01314
Perry, G. 00429
Perry, M.P. 05092
Perry, T.S. 02547
05558
Personick, S.D. 01360
02925
Personne, J. 09330
Perthel, R. 02662
Perti, D. 08683
Pertmer, G.A. 04037
Perzak, F.J. 01755
Peschmann, K.R. 03659
Peshkov, I.B. 03911
04260
Pesquera, L. 04978
Peszlen, R.A. 00112
Petelin, M.I. 01066
06429
Peter, D. 01912
06742
Peter, W. 00053
Peters, C. 04126
04179
Peters, D.A. 03625
Peters, J.E. 04860
Peters, L.,Jr. 03208
06303
Peters, R. 05289
06140
Petersen, G.T. 06680
Petersen, J.N. 05169
Petersen, T.L. 01543
Petersen, W.C. 04421
Peterson, A.M. 00639
Peterson, D.L. 05860
09546
Peterson, G.D. 09103
Peterson, G.G. 00764
Peterson, R.S. 03017
Petersons, O. 04933
Petit, C. 00730
Petitpierre, C. 08725
Petkanchin, I.B. 03472
Petridis, V. 03269
06537
Petrie, E.M. 09166
Petrie, W.F. 05942
Petrikin, Yu.V. 06747
Petrillo, G.A. 05599
Petrocco, G. 07550
Petroni, R. 03970
Petrou, A.C. 02705
Petrov, A.A. 02054
Petrov, A.I. 06445
Petrov, A.L. 00981
Petrov, A.S. 03246
Petrov, G.V. 02654
Petrov, Yu.V. 00326
Petrovic, K. 05855
Petrukhin, A.I. 05081
Petrun'kin, V.Yu. 06855
Petry, F.E. 06207
Petrykowski, J.C. 05132
Pettit, D.R. 02573
Pettit, R.B. 03367
Petts, C.R. 05663
Petty, M.C. 01119
01136
01187
Petuchowski, S. 08399
Petuchowski, S.J. 051
Petushkov, A.A. 0084
Peuscher, H.F. 0295
Pfau, H. 0206
Pfautsch, D.A. 0353
Pfennings, L.C.M.G. 0295
Pfister, E. 0339
Pfitscher, G.H. 0173
Pfleidere, H. 0590
Pflug, D.R. 0810
Phadke, A.G. 0009
0435
Phan, L.C. 0724
Phang, S. 0018
Pharaoh, K.I. 0740
Phelan, D.M. 0036
Phemister, T.G. 0681
Philippou, G.Y. 0482
Philips, A. 0539
Philipson, W.R. 0536
Phillion, D. 0574
Phillips, C.I. 0289
Phillips, D.M. 0743
Phillips, K. 0306
Phillips, P.J. 0072
Phillips, R.L. 0789
Phillis, Y.A. 0385
Philp, S.F. 0657
Phinney, T.L. 0463
Photiadis, P.N.D. 0493
Piacentini, M. 0216
Piacsek, S.A. 0057
Piaget, C. 0285
Pian, C.C.P. 0015
Piano, M. 0588
Piazzolla, S. 0095
0737
Picchi, G. 0794
Piccolo, A. 0822
Pichot, Ch. 0529
Pickering, H.W. 0514
Pickett, G.R. 0102
Pickett, H.M. 0106
Pickholtz, R.L. 0799
Piel, H. 0411
Pierce, A.C. 0826
Pierce, J.R. 0626
Pierce, R.D. 0831
Pierce, S.R. 0153
Pierobon, G.L. 0154
Pierret, R.F. 0749
Pierri, R. 0485
Pierro, J. 0881
Pierson, R.L.,Jr. 0277
Piestrup, M.A. 0073
0092
0506
Pietranera, L. 0840
Pietropola, R.E. 0339
Pigeon, J. 0105
0935
Pigini, A. 0010
Piguet, C. 0926
Piila, T. 0837
Piironen, T. 0930
Pijanowski, J. 0399
Pijolat, C. 0354
Pike, E.R. 0098
Pike, S.A.R. 0357
Pileggi, D.J. 0146
0178
0656
09099
Pilipenko, S.V. 00257
Pilipko, D.P. 07294
Pilkey, W.D. 05250
Pillai, A.S. 00123
05085
Pillai, P.K.C. 03360
Pillet, R. 03700
Pillsbury, R.D.,Jr. 06820
Pilo, D. 02260
Pimenov, V.V. 08577
Pimentel, J.R. 02338
Pimmel, R.L. 02158
07011
08641
Pineda, J.-C. 03185
Ping, K.F. 08950
Ping, K.Y. 08073
Ping, W.W. 08246
Pinizzotto, R.F. 02772
04404
Pinnow, D.A. 09053
Pinson, L.J. 06911
Pinter, P.J. 07036

Pinto, J.J. 03592
Pinto, L.M.V.G. 03312
Pinto, M.R. 05943
Piot, J. 04773
Piotrowski, J. 05143
Pipchenko, V.P. 09016
Pippi, I. 01006
Piquer, A.R. 05391
Piquette, J.C. 06863
Pires, P.S.M. 07698
Piriou, F. 06508
Pirooz, P.O. 02783
Pirri, F. 09514
Pirsch, P. 03962
Piskorzh, V.V. 03475
Piticu, I. 07441
Pitke, M.V. 03849
Pitlenko, V.I. 07251
Pitman, L.C. 06716
Pitt, C.W. 01048
Pitt, M.G. 05899
Pitts, W.D. 08983
Piwinski, D. 02227
Piwko, R.J. 06609
Piwnicki, K. 03193
Plaga, L.J. 03197
Plakhotnyi, V.P. 08914
Plambeck, R.L. 04710
Plank, V.G. 03726
Plant, W.J. 08671
Platnick, S. 03479
Plattner, A. 02898
Plechkov, V.M. 02180
Pleibel, W. 04564
Pleshakova, R.P. 08325
Pleshivtsev, A.S. 02545
Pless, V. 06367
Plessl, A. 01754
Plessner, K.W. 09360
Plevnik, D. 07785
Plonus, M.A. 03225
Ploog, K. 04394
Plotkin, E. 05443
08776
Plotkin, E.M. 04754
Plotkina, G.Z. 05706
Plourde, J.K. 07981
Plumb, G.O. 08951
Plumb, J.L. 08896
Plumb, R.G. 00951
Plummer, J.D. 02817
09275
Plunkett, A.B. 08154
Pocker, B.B. 00834
Pocobello, M.A. 02340
Poddar, D.R. 05829
Podmaniczky, A. 03973
Podoleanu, A.Gh. 09007
Podwysocki, M.H. 08662
Poeschel, R.L. 03632
Poey, P. 08021
Poggio, A.A. 07680
Pogorel'skii, I.V. 00983
Pogorzelski, R.J. 01651
Pogozhev, V.A. 06783
Pohjolainen, S. 02056
Pohl, K.D. 09373
Pohl, R.V. 06609
Pohlack, H. 00223
02497
Pohlman, J.C. 08846
Poilpot, R. 00240
Poirier, M. 01987
Poirier, V. 08645
Pokasov, V.V. 06445
Pokhodun, A.I. 00249
Pokrovskii, A.D. 01073
Pol'skikh, E.D. 01072
Polak, S.J. 04362
06755
Polasko, K.J. 04044
Polek, T.E. 02115
Polesky, R.W. 08219
Poley, W.A. 09420
Poliakoff, E.D. 02531
Polimeni, P.I. 03675
Polishchuk, A.S. 04173
Polishchuk, E.S. 00248
Polky, J.N. 08767
Pollack, S.R. 07014
Pollak, M. 08191
Pollak, R.A. 04219
Polland, H.J. 09023
Pollmann, A. 03307
Poloujadoff, M. 01714
03272
Poloujadoff, M. 06507
08142
Pols, L.C.W. 04686
Polsky, B.S. 01110
04367
Poltavets, A.V. 00271
Polthier, K. 03522
Poltyrev, G.Sh. 06374
Poltz, J. 06730
Polvani, D.G. 09488
Polyakov, S.P. 07462
Polyakov, Yu.A. 05034
Polyakov, Z.I. 00330
Polyakova, E.N. 08709
Polyankin, A.N. 02631
Polyankin, G.A. 02631
Polyanski, O.Yu. 04120
Polydoros, A. 07888
09584
09585
Polzer, G. 06395
Pomalaza-Raez, C.A. 08740
Pomerantz, M. 00831
Pomerleau, A. 06172
Pomper, M. 09267
Ponath, H.-E. 09111
09117
Ponath, H.E. 09114
Poncino, G.P. 03859
Poness, J. 07651
Pong, N.G.S. 06954
Ponkratova, T.M. 01928
Ponnavaikko, M. 00097
Ponomarenko, A.G. 07347
Ponomarev, D.M. 09091
Pontoppidan, K. 01655
Poock, G.K. 03078
Poole, D. 08256
Poole, M.A. 07960
Poon, R.K. 05703
Poor, H.V. 05475
Poore, W.P. 00149
Pope, D.J. 00963
Pope, J.W. 08176
Pope, L.E. 02466
07229
Popel, R. 01017
Popenko, V.D. 00593
Popescu, A. 08863
Popescu, I.M. 09007
Popov, A.P. 08701
08705
Popov, A.S. 05677
Popov, B.D. 06786
Popov, G.M. 03494
Popov, K.I. 00284
Popov, V.S. 00700
03870
05843
Popovic, D. 03673
Popovic, R.S. 03499
05922
06836
Popp, D. 09520
Poppelbaum, W.J. 05727
Poprawe, R. 05791
Porada, Z. 03963
Porat, B. 05479
07893
Porcelli, G. 00482
Porod, W. 09281
Porter, B. 08560
Porter, C.D. 00312
Porter, D.L. 09503
Porter, D.R. 01364
Porter, J.W. 06229
08221
Porter, N.S. 08361
Portinari, G. 00134
Portscht, R. 03052
Portway, P.S. 09429
Posbergh, T.A. 05007
Posey, L.D. 02777
Posnansky, M. 00198
Posner, E.C. 09404
Pospelov, V.N. 00813
Possin, G.E. 03947
07568
Posso, S.M. 03531
Post, D.L. 02566
Postforoosh, J.M. 04925
04926
Postolache, P. 06577
Posukh, V.G. 07347
Potapov, A.A. 01098
Poteat, B. 04943
Potekhin, G.S. 05785
Potel, M. 08500
Potenza, M. 08025
Potichenko, V.A. 00257
Potiron, A. 03376
Potochney, G.J. 03299
Pottebaum, J.R. 04875
Potter, A.E. 08284
Potter, C. 05988
Potter, P.G. 06816
Potter, R.R. 05628
05645
Pottle, C. 00156
Poulissen, J.H.F.M. 09385
Poulsen, H. 03068
Poulsen, P. 06638
Poulter, E.M. 07071
07072
Poulter, G. 00276
08406
Poupinet, G. 03700
Pouvil, P. 05736
08989
Povkh, I.L. 08377
Powell, D.C. 01839
Powell, F.D. 03147
Powell, I.L. 00394
Powell, L.A. 03108
Powell, L.J. 00121
03299
Powell, R.C. 08986
Powell, R.W. 06574
06706
Powell, S.D. 04169
Powers, T.L. 04492
Poyer, D.C. 07708
Pozar, D.M. 06478
Praagman, N. 05340
Prabhu, A.N. 07667
Prabhu, S.S. 06568
Prada, C.D. 07210
Pradhan, B.D. 02455
07214
07216
08835
08837
08856
Pradhan, M.M. 06738
Prah, J. H. 00795
Prakasa, K.S. 06612
Pramanick, P. 09093
09109
Pramanik, K. 03860
Prasad Sistla, A. 05992
Prasad, B. 02498
Prasad, K.P. 08748
Prasad, K.V. 03311
Prasad, S. 02181
Prasad, S.N. 08805
08813
09497
Prasad, V.C. 02412
Prasanna, K.V.K. 06013
Prater, R. 04185
Prati, G. 05777
07942
Pratt, R. 01644
Pratt, T. 09419
Pratt, W.K. 07957
Preckshot, N.E. 05953
Predko, S. 08924
Pregla, R. 08088
Preis, H. 06824
Preis, K. 07224
Preiss, K.A. 01395
Preiswerk, H.P. 04002
07398
Premachandran, V. 00784
Premchandran, G. 08151
08224
Premoli, A. 07128
Prempraneerach, Y. 00074
Preparata, F.P. 01247
Pressel, H.G. 02035
Presti, L.L. 07800
07821
Preston, E.H. 03309
Preston, G.W. 06015
Preston, K. 02381
Preston, R.C. 03518
Preukschat, A.W. 06179
Preussner, P.-R. 01907
Prezioso, G. 05627
Price, C.J. 00650
02394
Price, G.D. 01804
Price, G.G. 01878
Price, J.C. 00537
05352
Price, R. 05745
Prickett, M.J. 09505
Pridachin, V.N. 05151
Prideaux, P.H. 07734
Pridmore-Brown, D.C. 04117
Priel, B. 07114
Priestley, J.T. 01630
Prieto, A. 00666
Priimak, N.A. 08436
Prikhod'ko, V.A. 05099
Prince, B. 02702
Prince, W. 08238
Prinetto, P. 07656
Pringle, S. 09457
Prior, D.L. 08136
Prise, M.E. 00905
Pritchard, W.L. 06188
07797
09405
Privalko, V.P. 01274
Prober, D.E. 04066
Proctor, D.Y. 04876
Proctor, S.J. 02857
Prodell, A. 04135
Proebster, W.E. 00822
Prost, L. 08975
Protasov, A.K. 05526
Protonotarios, E.N. 01428
Prozorov, E.F. 06641
Prudenziati, M. 04338
Prunty, S.L. 05773
Pshonka, A. 00342
Puers, B. 01070
Pugach, I.P. 07294
Pugachev, V.S. 09592
Pugh, A. 00409
Pugh, E. 06335
Pugh, P.F. 03637
Pujari, M. 07208
Pujes, J.P. 01418
Pukhov, G.E. 05489
Pulfrey, D.L. 07650
Pullen, K.A.,Jr. 07632
Pung, H.K. 09343
Pupolin, S. 09532
Purcell, J.R. 04152
04185
Purdy, G.M. 05367
Purnhagen, D.W. 00113
Purohit, R.K. 02735
05986
Pursley, M.B. 09559
Purucker, S.L. 03382
03383
Purviance, J.E. 03346
Pusey, L.C. 03186
Pushkin, S.B. 08428
08491
Pustogarov, A.V. 07459
Pustovetov, V.P. 06900
Pustovoi, O.N. 00691
Putman, C.A. 01303
03478
Puzin, I.B. 09187
Pyabus, G.V. 02660
Pyati, V.P. 09511
Pyatkov, Yu.V. 02721
Pyatnitskii, E.S. 03595
Pybur, R.J. 01340
Pyee, M. 07558
Pyl'tsov, I.S. 06829

Qayoumi, M.H. 06700
Qeu Do, V. 01735
Qian, J.R. 04311
Qian, S. 03433
Qin, R.-X. 08107
Qu, J.X. 02321
Quackenbush, T.R. 01241
Quade, A.W. 06674
Quak, D. 01094
Quan, X. 07696
Quimby, D.C. 00926
Quintana, V.H. 06693
08244
Quinton, G.L. 08201
Quirk, M.P. 01542
Qureshi, A.H. 03294
04935

Ra, J.B. 03670

Raab, F.H. 07885
Rabaey, D.H. 08782
Rabbani, M. 08888
Rabenstein, R. 00865
Rabiner, L.R. 01482
02384
Rabinowitz, S. 00221
Rabl, A. 03361
Rachkov, Yu.G. 05849
Radchenko, A.P. 05848
Radhakrishnan, D. 07574
Radhakrishnan, M. 08854
Radin, H.W. 07797
Radjenovic, B. 02494
Radke, J.D. 03825
Radloff, D.L. 02172
Radostitz, J.V. 08924
Radovic, D.V. 04764
Radparvar, K. 05535
Radparvar, M. 04233
Raev, N.D. 03472
Rafal'skii, V.A. 07073
Ragan, M.E. 03295
Rageb, M.H.S.A. 06585
Raghavan, R.S. 08672
Raghavan, S.V. 01649
Ragimov, F. 06884
Rahim, Y.H.A. 08136
Rahimi, S.K. 04637
Rahm, M.W. 09444
Rahman, B.M.A. 04314
Rahman, M.A. 00076
06524
Rahman, M.F. 04879
08163
Rahman, M.M. 02135
Rahmat-Samii, Y. 08132
Rai-Choudhury, P. 07269
Rai, R.C. 02503
Rai, S. 04516
Rai, S.N. 01818
Raider, S.I. 04060
04218
04219
Raikhman, A.Z. 08474
Raina, G. 01711
Raina, M.K. 08049
Rainal, A.J. 07979
Rainer, R. 07365
Raines, W.F. 06926
Raisbeck, G.M. 00309
Raja Rao, C. 00508
Rajagopal, S. 02597
Rajagopalan, P. 04588
Rajagopalan, R.R. 08144
Rajagopalan, T. 00250
Rajala, S.A. 09529
Rajappan, K.P. 02969
06775
08937
Rajeevakumar, T.V. 04112
Rajendran, K. 03518
Rajeshwar, K. 00315
Rajeswaran, G. 00781
Raju, D.P. 01029
Raju, G.R.G. 06835
Raju, G.S. 03261
Rakhimov, V.F. 08458
Rakhmanov, A.L. 04274
Rakovich, B.D. 00641
Rakshit, S. 02492
03176
Raleigh, M. 08058
Raley, N.F. 04382
Raloff, J. 03676
Ralston, R.W. 04059
04744
Ram, M. 03231
Rama Iyer, S. 06690
Rama Rao, C. 06437
Rama, N.S. 03844
Ramachandra, K.V. 04797
Ramachandran, K. 06690
06691
Ramachandran, N. 00708
Ramachandran, V. 00643
02368
03792
03894
09277
Ramakrishna, O. 00508
Ramakrishnan, K.V. 01569
Ramakrishnan, L. 07626
Ramakrishnan, S. 05194
amoorty, M. 06545
B. 03792
Ramana Murthy, S. 04347
Ramanathan, K.V. 05960
Ramanjaneyulu, K.S. 03314
Ramanujam, R. 08854
Ramanujam, V. 04602
Ramaswami, R. 04925
04926
Ramesh, O. 02722
Ramins, P. 07253
Ramirez, R. 06055
Ramkumar, K. 02001
07176
Ramrus, A. 03899
Ramsdale, M.L. 02133
Ramskov-Hansen, J.J. 09376
Ramu, T.S. 01106
Randae, S.T. 08265
Randall, L.S. 06157
Randall, R.N. 04181
Randzio, S.L. 03416
Raney, R.K. 07878
Rang, E.R. 02077
Ranganath, S. 03979
Ranganathan, B.N. 03415
Ranganathan, V.T. 01759
03378
Rangari, K.P. 02652
Rangayyan, R.M. 03671
Ranghelli, J. 07859
Ranjan, V. 06666
Rankine, R.R.,Jr. 08621
Ransom, P. 02530
Rao, A.R. 01787
01791
Rao, B.B. 07272
Rao, B.K. 00324
Rao, B.N. 04970
Rao, B.V. 00657
07870
Rao, C.R. 08655
Rao, C.S. 08189
Rao, G.S. 01685
01687
03941
Rao, K.M. 00324
Rao, K.R. 02477
07191
07711
09398
Rao, K.S. 04813
Rao, K.S.P. 00097
08253
Rao, N.D. 00141
04945
Rao, P.R. 01787
01791
Rao, P.S. 08253
Rao, S.M. 08102
08127
Rao, V.S.V.B. 06666
Rapisarda, L. 06068
Rapisarda, L.A. 03817
Rapoport, Yu.M. 08481
Rappaport, S.S. 01303
Raptis, A.A. 05089
Rasch, J. 03032
Rasenberg, C.J.F.M. 05863
Rashidian, M. 05131
Rashleigh, S.C. 01355
09372
Rashwan, M.M. 08265
Rasmusson, P.R. 09168
Rasmy, M.E. 03678
Rassokha, A.A. 02567
Rastgoufard, P. 05379
08257
Rastogi, A.K. 08500
Rastogi, P.K. 07436
Rathman, D.D. 09203
Rathmell, J.G. 07666
Rathnakumar, M. 04780
Rathore, T.S. 00294
03875
05512
05536
07186
08796
Ratiu, I.M. 06059
Ratna Kumar, B.V. 00176
00177
06650
Rau, N. 02558
Rau, N.S. 06572
Rauch, J.C. 06660
Rauch, M. 01694
Rausaria, R.R. 08706
Rauschert, R. 09263
Raut, R. 05457
Rautio, J.C. 00020
Raven, J.G. 02956
02957
Ravichandran, C. 04518
Ravindra, H. 05343
Ravindra, N.M. 02498
Rawat, B. 07484
Rawlins, C.L. 09474
Rawson, E.G. 04572
Ray, A. 04988
Ray, R. 03994
Ray, R.N. 06658
Ray, S.K. 03860
06325
09550
Ray, W.H. 02018
Raychaudhuri, B.C. 01817
Raychaudhuri, D. 06164
07933
Razaz, M. 06455
Razek, A. 06508
06765
Razumov, Yu.A. 03838
Razzini, G. 05605
Read, R.R. 07044
Readhead, A.C.S. 04710
Reagor, B.T. 07240
Real, R.R. 07030
Ream, G.L. 08729
Reasoner, K.J. 07634
Rebman, J. 07512
Rechen, J.B. 04125
Reckleff, J.G. 01716
Recski, A. 04778
Reddi, S.S. 07129
Redding, D.C. 05272
06970
Reddoch, T.W. 03382
03383
Reddy, D.R. 03796
Reddy, G.N. 07015
Reddy, M.A. 02477
07191
Reddy, P.K. 03901
Reddy, P.S. 03796
Reddy, V.C.V.P. 01254
Reddy, V.U. 03820
Redell, D.D. 06224
Redey, L. 00188
Redford, A.H. 03594
Rediker, R.H. 00966
Redlich, R. 08101
08770
Redon, M. 07558
Redondi, G. 03509
06847
Redwine, S.T.,Jr. 02117
Reed, I.S. 02376
06384
09291
09499
Reed, J.C. 09459
Reed, J.R. 05559
Reed, M. 06087
Reed, R.W. 00329
Reed, W.A. 09384
Reeder, D. 04722
Reeder, R.E. 04024
Reedy, H.E. 05772
Reedy, R.E. 02762
Reehal, H.S. 00815
Reekie, H.M. 00655
Rees, D. 02280
08707
Reese, S.S. 08667
Reeve, J. 06609
Reeve, M.H. 04565
Reeves, G.K. 09304
Regan, C.A. 07426
Regent, A. 04172
Reggiani, U. 06517
Rehavi, S. 00538
Reiber, K. 01912
06742
Reible, S.A. 04056
04059
04744
Reichert, K. 01845
08195
08258
08367
Reichert, W. 05933
Reichl, H. 09130
Reichman, J. 00117
Reichman, J. 0821
Reichmanis, M. 0844
Reid, D.B. 0472
Reid, J. 0735
0739
Reid, R.E. 0522
Reid, S.A. 0570
Reid, W.E. 0172
0818
Reiderman, A.F. 0267
0753
Reif, J.H. 0599
Reifschneider, D.L. 0337
Reiman, A. 0643
Reiman, R.J. 0331
Reimann, D. 0044
Rein, H.-M. 0928
Reinath, M.S. 0743
Reineri, M.T. 0530
Reinert, W. 0343
Reingold, E.M. 0600
Reinhard, S. 0659
0821
Reinhold, G. 0289
Reininger, R.C. 0319
0636
0800
Reis, A. 0750
Reisman, S. 0531
Reiss, W. 0877
Reitboeck, H.J.P. 0532
Reiter, G.F. 0421
Reithmeier, G. 0266
Reitsma, M.J. 0451
Reitz, P.R. 0771
Rembetsy, L.M. 0829
Remmerie, G. 0879
Ren, Y.-A. 0593
Renard, P. 0451
Renew, D.C. 0681
Renjen, S. 0464
Reno, C.W. 0149
Rensch, D.B. 0282
Renwick, J.T. 0813
Repjar, A.G. 0166
Repka, C.P. 0260
Reppen, N.D. 0186
0824
Repperger, D.W. 0287
Rescigno, A. 0051
Rethmann, H.W. 0365
Rettberg, R.D. 0147
Reulke, R. 0252
Reusens, P.P. 0764
Reuss, R.W. 0598
Reuter, J. 0112
Reutler, H. 0334
Revankar, G.N. 0245
07214
07216
08835
08837
08856
Revin, L.G. 09158
Revkov, E.G. 01073
Reynolds, B.W. 04862
Reynolds, L.D. 08806
Reynolds, L.D.,Jr. 05524
Reynolds, M.A. 06165
Reynolds, P.H. 00096
Reza, F.M. 08784
Reznikov, M.A. 05882
Rezulski, M. 08919
Rezzoug, A. 04865
Rhee, S.-W. 08446
Rheinlander, B. 02526
Rhoads, C.M. 01653
Rhodes, C.W. 02970
Rhodes, J.D. 00632
05442
Rhodes, N.L. 01372
Rhodes, W.L.,Jr. 00891
Rhodes, W.T. 02296
07310
Riad, A.A. 00656
Riad, S.M. 00656
Ribbens-Pavella, M. 01859
Ribe, R.L. 02267
Riblet, G.P. 08085
Riblet, H.J. 03465
Ricci, M.V. 04198
Ricco, B. 01236
Rice, D.E. 03100
Rice, J.K. 00922
Rice, R.E. 06090
Rice, S. 09051

ce, W.J. 07426
chard, C. 09587
chard, F. 02134
chard, J.C. 05159
ichards, B.P. 05900
ichards, C.Z. 07048
ichards, D. 00227
ichards, E.F. 00085
04909
ichards, G.A. 05474
ichards, P.L. 01901
04066
ichards, W.F. 08447
ichardson, A.G. 09384
ichardson, A.O. 01173
ichardson, K.A. 08651
ichardson, M.D. 00562
ichardson, P.G. 06821
Richer, J.-P. 06890
Richiardone, R. 05378
Richmond, J.H. 03208
Richter, D. 08943
Richter, K.E. 00333
Richter, K.R. 06757
Rickert, R.L. 01770
Rickert, S. 01277
Rickman, J.D.,Jr. 03629
Ricotta, A. 05375
Riddie, L.P. 07820
Riddle, W.E. 02117
Ridella, S. 01947
Riedel, J.E. 08603
Rieder, G. 07267
Rieder, H. 04187
Rieffe, H.Ch. 00382
Rieger, A. 04877
Rieger, H. 07357
Rieger, J.H. 02570
Rienecker, W. 00648
Riera, J. 06604
Rieske, J. 02373
Riess, H.L. 02572
Riezinger, F. 00232
Riggs, C.F. 03581
Rigrod, W.W. 07422
Riley, G. 01987
Riley, M.E. 00922
Riley, M.W. 05393
Rimini, E. 02607
Rimoczi-Paal, A. 00573
Rimshans, J.S. 01110
Ringer, L.J. 00080
Ringhofer, C.A. 02632
02695
05893
Rino, C.L. 01638
Riordon, J.S. 01571
07681
Ripin, B.H. 07435
Ris, F.N. 07892
Risch, L. 02738
Riseman, E.M. 05708
Rissanen, J.J. 03126
Risser, V.V. 00197
Ristici, M. 09008
Ritchie, P.F.S. 03711
Ritger, A.J. 07771
Rivera, J. 03256
Rivest, N. 08209
08211
Rivlin, A.M. 01928
Rivoire, G. 00014
Rizk, F.A.M. 04923
Rizzo, A. 02542
Rizzolli, V. 00046
Roads, C. 01480
Roark, R.M. 08760
Roba, G. 01337
Robb, R.A. 03672
Robbins, V.M. 00267
Robbins, W.B. 01507
Roberson, P.L. 05586
Roberts, D. 00604
Roberts, F.P. 08507
Roberts, G. 06720
Roberts, G.G. 01119
01136
01187
04333
Roberts, H. 05064
Roberts, J.H. 06177
Roberts, K.B. 02154
Roberts, M. 00506
Roberts, N.J.,Jr. 00504
Roberts, P.C.T. 00610
07639
Roberts, P.C.T. 09253
Robertshaw, G.A. 06441
Robertson, J. 00588
Robin, S. 02498
Robinson, C. 02440
Robinson, C.A.,Jr. 00489
00492
04716
05284
Robinson, C.M. 05727
Robinson, F.N.H. 08827
Robinson, G.P.S. 03531
Robinson, G.R. 07043
Robinson, G.Y. 02770
Robinson, I.S. 04713
Robinson, J. 02168
Robinson, J.P. 00595
Robinson, K.E. 00917
Robinson, K.S. 08449
Robinson, L.C. 04835
Robinson, R. 06052
Robinson, R.S. 05267
Robinson, T.H. 07875
Robinson, W.V.,Jr. 09288
Rocca, G. 06006
Rocca, J.J. 07415
Rocca, J.J.G. 08992
Rocchini, C.A. 01593
Roche, L.F. 07054
Rochon, P. 07452
Rock, D.F. 00873
Rockwood, S.D. 09013
Rodbell, K.P. 06060
Rodder, M. 01202
01894
Roddoch, T.W. 08351
Rode, H. 03946
Rodemich, E.R. 09578
Rodenbaugh, T.J. 00125
Rodger, D. 06756
Rodhe, P.M. 01054
07768
Rodichev, I.I. 01753
Rodionov, E.N. 08804
Rodionov, N.B. 04033
Roditi, V. 08195
Rodrigo, H. 09076
Rodriguez-Pasques, R.H. 00755
Rodriguez, M.A. 04978
Roedel, R.J. 07263
Roeder, W.H. 08548
Roederer, A. 01655
Roehr, B. 02436
Roellig, T.P.L. 00273
Roemer, F. 04278
Roemer, R.B. 05341
05342
Roennaeng, B.O. 01632
Roeseler, A. 08407
08437
Roeser, H.P. 09019
Roeska, G. 00904
Roesler, D.J. 01721
Rofail, S.S. 07160
Roffinella, D. 04666
07954
Rogalski, A. 00772
00789
Rogatchev, T. 00181
Roger, J.P. 00854
Rogers, C.T. 04207
Rogers, D.A. 03244
07698
Rogers, D.B. 02874
Rogers, D.L. 09341
Rogers, G.J. 06521
Rogers, J.D. 04282
09064
Rogers, J.R. 06414
Rogers, J.W. 00378
Rogers, L.A. 04987
Rogers, P.R. 02891
Rogers, R.O. 04998
Rogers, S.K. 05721
Rogers, W.E. 06536
Rogoff, M. 03090
Rohatgi-Mukherjee, K.K. 03369
Rohatgi, A. 07269
Rohatgi, V.K. 06626
Rohde, A. 00411
Rohde, R.W. 02466
07229
Rohler, D.P. 06345
Rohlfs, A.F. 07475
Rohrer, R.A. 02424
Roitman, P. 02747
Roitman, V.I. 00258
Rolfe, J. 05299
05313
Rolla, P.A. 03868
Rollie, M.E. 01936
Rollins, W.W. 04624
Rollstin, L.R. 03648
Roman, B.J. 05861
Roman, D. 09442
Roman, T. 06660
Romano, V. 08260
Romanov, Yu.I. 08508
Romanowski, K. 06730
Romenskii, E.I. 08323
Romer, W.J. 09485
Romero, G. 00833
Romero, R. 05649
Romero, S.L. 08882
Romick, G.J. 02264
Romijn, R. 04116
Romiti, A. 00107
01742
Ronald, J. 03745
Roohparvar, F. 03275
Rooks, B. 00406
02028
02031
03591
03603
03604
Rooney, J.P. 02066
Rooth, R.A. 07400
Rosa, A.J. 07169
Rosa, F. 00100
Roschen, J. 00812
Roscoe, O.S. 06171
Rose, B.H. 05630
Rose, D. 03194
Rose, D.E. 01417
Rose, D.J. 04363
04364
Rose, D.M. 06084
Rose, I.A. 08182
Rose, J.R. 03640
Rose, R.B. 01615
Rosenberg, J.B. 04447
Rosenberg, J.J. 09228
Rosenberg, J.M. 02464
Rosenberg, R.L. 01357
Rosenberger, A.T. 07355
Rosenberger, F. 05506
Rosenfeld, A. 05704
05716
08935
Rosenkranz, W. 06344
Rosenvold, R. 00315
Rosetti, D.K. 06138
Roskam, J. 05252
Rosker, M.J. 06782
Roskind, J.A. 07838
Roskoshnyi, V.G. 09145
Rosman, R. 00978
Rosmond, T.E. 00575
Ross, B. 08334
Ross, D.G. 01357
Ross, D.H. 08378
Ross, D.O. 02807
Ross, G.A. 02201
Ross, J. 03113
04589
Ross, J.S.H. 04202
Ross, K.G. 02534
Ross, R. 07256
Ross, R.J. 02782
Ross, W.E. 07318
07319
Rossel, P. 07594
Rossi, F. 08228
Rossi, G.R. 05300
Rossi, U. 01352
Rossouw, C.J. 06886
Rostampour, A. 08944
Roth, A. 03469
Roth, C.H.,Jr. 04302
Roth, R. 05376
Roth, S.P. 05266
Roth, W.L. 06722
Rothenberg, J.E. 05057
Rothermel, H. 07438
Rothermel, H.-J. 02814
Rotholz, E. 00481
03652
Rothwell, P. 09422
Rotinyan, M.A. 05785
Rotolo, L.S. 05729
Rotta, M.C. 00755
Rottenkolber, H. 00994
Roulston, D.J. 01168
04400
08866
Roumeliotis, J.A. 05889
Rousseau, D. 07503
Routledge, I.A. 00416
Roux, J. 03704
Rovelli, S. 00105
01742
Roversi, J.A. 09389
Rovner, R.B. 02057
Rowan, T.M. 00073
Rowe, D.M. 08417
Rowe, J.C. 06938
Rowell, J.M. 04221
Rowland, R.R. 03481
Rowley, D.M. 00995
Roy, A.K. 00303
Roy, A.M. 06515
Roy, L. 00141
04945
Roy, M. 03369
Roy, M.L. 00466
Roy, P.S. 02248
Roy, S.B. 00798
Roy, S.C.D. 08746
Roy, S.K. 04379
05895
Royer, M. 06848
Royet, J.M. 04091
Roys, G.P. 03641
Royse, S.D. 03653
Roytman, L.M. 04754
05443
08776
Rozenblyum, L.Ya. 04469
Rozzi, T.E. 05761
07369
07371
Ruan, G.-H. 05939
Rubchinskii, A.A. 08517
Rubertus, D.P. 08585
Rubin, A.L. 09499
Rubin, D. 01293
Rubin, E. 04533
Rubin, I. 04581
04786
06360
09595
Rubinacci, G. 06764
Rubinovich, I.M. 05833
Rubinstein, J. 06028
Rubtsov, N.A. 09069
Rubtsova, L.E. 08804
Ruby, E.D. 05134
Rucker, W.M. 06757
Rudakov, T.N. 02442
Rudan, M. 02767
09193
Rudd, E.P. 08778
Rudenko, N.Z. 08497
Rudner, S. 06494
Rudnev, O.E. 04052
Rudnick, H. 01750
Rudnick, I. 08473
Rudolf, F. 05130
06836
Rudolph, W. 08999
Rudzinski, S. 06547
Rueegsegger, P. 06996
Rueff, M. 06942
Ruehl, F.F. 09383
09386
Ruff, G.A. 07341
Ruffieux, S. 08192
Ruijgrok, G.J.J. 05243
Rumyantsev, A.D. 02586
Rumyantsev, B.F. 01252
Runge, P.K. 01370
Runkle, J. 07864
Rupasov, A.A. 07343
Ruppin, R. 04823
Rusch, W.V.T. 08131
Ruseev, N.F. 05091
Rusek, A. 04366
Rushdi, A.M. 03153
Rusher, D.L. 05894
Rushforth, C.K. 02073
Rusin, A.I. 06657
Rusin, F.S. 03476
03855
Russ, G.J. 03885
Russell, B.D. 08235
08271
Russell, F.W. 06201

Russell, J.L. 01808
Russell, J.N. 04565
Russell, R.A. 03614
Russell, R.F. 06295
Russell, S. 06194
Russell, T.J. 01272
05561
Russo, F. 07687
Russo, G. 02607
Russo, M. 04167
Rustay, R.C. 00124
Rutan, H.L. 08476
Ruth, B. 09116
Rutkowski, A.M. 01296
03035
04592
Rutledge, D.B. 00057
09065
Rutter, P. 06819
Rutz, W.L. 00078
Ruzic, F. 02881
Ruzmaikin, A.A. 08289
Ryabov, A.N. 01971
Ryabtsev, G.I. 09136
Ryan, C.R. 03169
Ryan, E.P. 02016
Ryan, R.S. 08611
Ryan, T.J. 03646
Ryan, W.D. 05929
Ryasnyi, V.G. 05395
Ryazanov, M.I. 01156
Ryazantsev, V.P. 01810
Ryazhskaya, O.G. 05395
Rybalka, V.V. 09190
Rye, A.J. 05725
Ryland, J. 09335
Ryne, R.D. 04139
06457
Rys, A. 02698
Ryskamp, J.M. 00378
Ryzhov, V.A. 03813
06873

Saadallah, S. 06865
Saal, R. 07163
Sabella, P. 02298
Sabelli, C. 01854
Sabharwal, S.C. 05837
Sabin, G.A. 03503
Sablik, M.J. 06768
Sabonnadiere, J.C. 06811
07221
Sabrie, J.L. 04252
Saburi, Y. 08980
Sacchetti, N. 04198
Sachdeva, D.S. 03150
Sachdeva, S.S. 07527
Sachs, A. 02899
Sachtleben, L.T. 08915
Sacks, F. 02640
Saczuk, K. 06018
Sadakata, N. 04201
Sadamatsu, H. 02960
Sadamoto, Y. 00970
Sadanandan, N.D. 05026
Sadler, P.M. 06912
Sadler, R.A. 01181
09222
Sadorf, H. 01022
Sadova, N.F. 08831
Sadovnikov, V.N. 06896
Safar, Y.A. 03294
04935
Safin, V.A. 01957
Safiuddin, M. 05168
Safonov, L.A. 05061
Safonova, M.A. 06427
Safronov, I.N. 00062
Sagawa, T. 06739
Sagers, R.C. 07677
Saghafi, M. 00661
Sagniez, A. 04199
Sah, C.-T. 01186
Saha, A.R. 07219
Saha, D. 09549
Saha, S. 07015
Saha, S.K. 02354
Sahai, R. 02776
Sahalos, J. 01656
Sahin, V. 02908
Sahinoglu, M. 00080
Sahni, O. 00819
Sahu, S.N. 02709
Sai-Halasz, G.A. 01260
Saichev, A.I. 04804
Said, I.A.-M. 05090
Saidi, N.N. 01813
Saifulin, Sh.Z. 08508
Saigo, T. 04414
Saimi, T. 02601
Saint-Aubert, P. 06179
Saito, A. 01836
03350
Saito, I. 06278
Saito, K. 02083
02951
03766
Saito, M. 05377
Saito, S. 00959
04483
04908
Saito, T. 02393
03883
05604
08810
Saito, T.T. 00976
Saito, Y. 01836
02917
06827
07755
Saitoh, K. 02867
02872
04487
Saitoh, T. 01588
06668
Sajja, V. 02786
Saka, M. 00713
Sakagami, S. 03196
Sakai, H. 06329
Sakai, J.-I. 07767
Sakai, K. 05755
Sakai, M. 00110
Sakai, S. 09096
Sakai, T. 09255
09284
09438
Sakai, Y. 02816
Sakaki, H. 07606
Sakamoto, S. 02003
Sakane, M. 08743
Sakano, T. 02663
Sakashita, K. 05995
Sakata, I. 05650
Sakaue, K. 08862
Sakaue, T. 01391
Sakhno, V.I. 01875
Sakima, I. 01362
Sakina, Y. 09255
Sakoda, G.T. 05271
Saku, T. 04320
Sakuma, S. 00110
Sakumoto, H. 05868
Sakurada, H. 00094
Sakurai, K. 00748
01365
Sakurai, T. 00196
00769
01834
02704
02835
05941
07376
Sakurai, Y. 01956
Salace, G. 00730
Salai, G. 04619
Salam, F.M.A. 08251
Salama, A.E. 08780
Salama, C.A.T. 09242
Salama, M.M.A. 04927
04934
05564
06623
Salamon, D. 06592
Salawu, R.I. 03822
Salchli, F.H. 08744
Saleh, A.A.M. 06479
Saleh, B.E.A. 08888
Saleh, M.M. 03914
Salerno, M. 01593
04829
Salgado, E. 08246
Saline, L.E. 03772
Salkalachen, S. 00792
Sallak, R.M. 01501
Sallee, W.W. 00380
Salman, A.A.B. 00545
Salmer, G. 01129
Salomaa, E. 07365
Salomone, G. 02962
Salon, S.J. 06759
Salour, M.M. 09004
Salsano, A. 02553
Salt, S. 07742
Saltao, J.M.S. 00185
Saltiel, S.M. 00840
Saltzberg, B. 05314
Salu, Y. 05307
05319
Salvati, M. 07070
Salvetti, G. 07402
Salvi, R.J. 03117
Salzbrenner, R. 08392
Salzman, J.A. 09420
Samanta, S.C. 02147
Samedov, A.B. 03053
Samigullin, M.M. 08926
Samii, M. 07064
Samms, R.W. 08940
Samoilov, L.N. 08439
08440
08864
Sampson, W.B. 04133
04257
Samson, A.M. 08971
Samueli, H. 03809
Samuelsen, M.R. 04180
Samulski, T.V. 07000
Samygin, R.P. 02626
Sanada, Y. 04253
Sanchez-Sinencio, E. 05476
08763
Sanchez, A. 06491
Sanchez, E. 07285
Sanchez, J. 09373
Sanchez, J.J. 01871
08232
Sandalov, A.V. 01984
Sandberg, I.W. 00673
07157
Sandberg, U. 08234
Sandell, N.R. 05007
Sandell, R.D. 04053
04117
Sander, E. 06881
Sandera, J. 00179
Sanders, I. 05383
Sanders, I.L. 05816
Sanderson, A.C. 00429
05714
Sanderson, R.J. 04861
Sandholt, P.E. 02264
Sandhu, S.S. 09270
Sandini, G. 05334
Sandomirskii, S.G. 07509
08459
Sandor, T. 03669
Sandoval, F. 05080
Sandovskii, V.A. 05820
06767
Sandrik, J.M. 00514
00516
02142
Sands, D. 00432
Sandweg, G. 09269
Sanematsu, T. 08364
Sanford, P.W. 05060
Sanger, G.M. 03978
Sanger, J.O. 08356
Sangiorgi, E. 01236
05914
Sangiovanni-Vincentelli, A. 04460
04464
04466
08771
Sanjana, Z.N. 02788
Sankawa, I. 09387
Sankrithi, M.M.K.V. 02330
Sanli, N. 06182
Sannino, M. 08859
09254
Sano, H. 05738
Sano, K. 01515
04502
04738
05579
Sansen, W. 01070
07507
Sansen, W.M.C. 08800
Sansom, P.W. 03571
Sant'ana, R.F. 01843
Santamaria, M. 06826
Santana, M.R. 01321
Santarpia, D. 09417
Santerre, G. 01736
Santha, I.S. 08890
Santhanam, P. 04066
Santucci, S. 03868
Sanyal, S. 0030
Sanz, A. 0956
Sanz, J.L.C. 0313
0476
0952
Saotome, H. 0682
Sapachev, V.I. 0386
Sapozhenko, A.A. 0276
Sapozhnikova, N.V. 0688
Sapozink, M.D. 0699
Sapritskii, V.I. 0843
0844
0886
Saramaeki, T. 0883
Saraswat, K.C. 0286
0591
Sardinas, J.L.,Jr. 0288
Sargent, J.A. 0708
Saridis, G.N. 0203
0534
0692
0692
Sarikaya, B. 0767
Sarin, R. 0249
Sarioglu, M.K. 0486
Sarjeant, W.J. 0390
Sarkar, B.K. 0269
Sarkar, G. 0818
Sarkar, T.K. 0477
0478
0810
Sarkinen, C.F. 0659
Sarkisyan, R.E. 0511
Sarkozy, Z. 0319
Sarkozy, Z.A. 0141
Sarma Maruvada, P. 0820
0821
Sarma, D.H.R. 0072
Sarma, G.H. 0072
Sarma, G.R. 0199
Sarma, K.V. 0103
Sarmiento, H.G. 0192
0836
Sarna, J.E. 0324
Sarsenski, J.E. 02231
Sarwar, A.K.M. 06846
Sarwate, D.V. 07939
09559
Sasaki, A. 05600
07257
08903
Sasaki, H. 00387
04944
Sasaki, I. 04478
Sasaki, K. 00907
Sasaki, M. 00751
Sasaki, N. 02822
Sasaki, O. 02904
Sasaki, Y. 08308
Sasamoto, S. 00091
Sasase, I. 02437
03115
09594
Sasase, T. 05950
08414
Sasayama, T. 02003
Sasikumar, M. 02477
07191
Sass, P.F. 00503
01300
Sassen, K. 02606
Sassi, G. 03939
Sastry, A.R.K. 04663
Sastry, H.R.S. 04731
Sastry, M.L.N. 04780
Sastry, S. 05231
Sastry, S.S. 00390
Satchell, R.J. 08035
Sathikumar, S. 06522
Sathyanarayana, P. 00508
Sathyanarayana, S. 00176
00177
06650
Satish, S.R. 01915
03288
Sato, A. 00110
Sato, F. 07637
Sato, H. 00974
07384
07424
Sato, K. 01519
02575
02959
04017
04254
Sato, O. 02609

Sato, R. 02421
08061
Sato, S. 02918
Sato, T. 02332
05100
Sato, Y. 08242
Satoh, T. 02074
06692
08208
09039
Satow, T. 04254
04275
Satserdotov, P.A. 06710
Sattler, J.P. 03561
07534
Satyam, M. 02001
Satyamurthy, P. 06626
Satyanarayana, T. 01649
Sauer, P.W. 03389
04866
06535
Sauermann, H.-J. 00448
Saul, P.H. 07217
Saul, R.H. 06945
Saulietis, I. 02088
Saunders, J.L. 04174
Saunders, K. 05407
Saunders, M.A. 02265
Saunier, P. 08071
Sauter, E. 06503
Sauvageot, H. 03715
Savage, C.M. 00888
Savage, M.J. 00362
Savage, R.K. 07032
Savel'ev, N.A. 06377
Savelli, M. 00777
Savic, N. 09346
Savich, N.A. 08609
Savo, B. 04110
04178
04234
05803
Savorovskii, N.S. 08819
Savvin, L.I. 08467
Sawa, S. 02838
Sawada, A. 04360
Sawada, T. 01227
03491
09243
Sawada, Y. 04150
09234
Sawai, K. 07411
Sawaki, A. 05591
Sawatari, N. 03889
Sawchuk, A.A. 07298
Sawyer, S.M. 02888
Saxena, A.K. 03245
04374
Saxena, M. 03150
Saxena, N.S. 08167
Saxena, R.B. 04824
Sayegh, S.I. 00883
Sayhood, K.H. 04800
Sazhin, V.V. 09081
Scafe, E. 02505
Scaglione, A. 03682
Scanlan, R.M. 04164
Scarpa, P.G. 00102
Scarparo, M.A.F. 07414
Scarpetta, G. 07614
Schaber, H. 08850
Schachter, H. 09561
Schaefer, F.P. 08808
Schaefer, G. 06640
Schaefer, R. 03175
06603
Schaefer, W. 01655
Schafer, H.S. 08518
Schafer, R. 04179
Schaff, F. 03980
Schaff, W.J. 09181
Schaffer, G. 03380
08248
Schaffer, H. 07510
08374
Schafft, H.A. 07280
Schalestock, J. 06115
Schallenberger, B. 09269
Schanda, E. 07022
Schantz, H.F. 05419
Schaper, L.W. 02805
Scharer, J.E. 06454
Scharf, L.L. 07903
Schastlivyy, G.G. 07454
Schatz, W. 02889
Schaubert, D.H. 04807
Schaubert, D.H. 08127
Schauer, A.E. 05009
Schaufelberger, W. 03827
Schaumann, R. 03842
08766
Schaumberg, P.L. 00589
Schechter, M. 00802
Scheel, H.J. 00323
Schekichanov, A.M. 06343
Schelin, J.W. 01364
Schell, W.M. 06208
Schellenberg, J.M. 01898
Schenk, A. 03401
Schenk, K.F. 03316
08241
Schepers, C. 02945
Schepis, A.J. 09369
Scherbina, L.V. 09190
Schermer, R.I. 04282
04289
09064
Scherr, A.L. 06244
Scheuermann, M. 04244
Schhepkin, V.D. 01957
Schiavoni, N. 05221
Schieber, D. 05850
Schielicke, R. 05847
Schier, J.F. 04046
Schifani, R. 01102
Schiferl, R.F. 00064
Schiff, L. 06164
Schilders, W.H.A. 04362
Schilizzi, R.T. 00272
Schill, W. 00420
Schilling, D.L. 01303
02887
04669
05908
06354
07934
Schimpf, J.H. 05295
Schindler, S. 01411
03038
Schirrmeister, F. 01127
Schlafer, J. 01320
Schlafly, A.L. 04453
Schlag, J.F. 05714
Schlam, E. 08891
Schlangenotto, H. 04398
Schlansker, C.A. 07232
Schlegel, K. 03229
Schleher, J.S. 01617
Schlemper, E. 07745
Schlicht, D. 01754
Schloss, J.S. 03058
Schloss, R.P. 00966
Schlosser, V. 07265
Schlueter, R.A. 00086
05379
06683
Schlussel, K. 02051
Schmaderer, F. 04099
Schmatjko, K.-J. 00975
Schmid, A. 02555
Schmid, C.E. 02389
Schmid, D. 00408
Schmid, J. 05452
Schmidberger, E. 06942
Schmidberger, E.J. 00444
Schmidt-Nielsen, A. 04695
Schmidt, B. 01167
07256
Schmidt, C. 04242
Schmidt, D.K. 00467
05253
Schmidt, E.E. 04255
Schmidt, H.J. 06624
Schmidt, K.H. 01256
06023
Schmidt, P.E. 01943
Schmidt, R.D. 06092
Schmidt, R.L. 02941
Schmidt, R.R. 04438
Schmidt, R.V. 04572
Schmidt, S.F. 06282
Schmidt, W.D. 04115
Schmitt, D. 05599
Schmitt, F. 09239
Schmitt, W. 07658
Schmittroth, F. 00752
Schmugge, T. 03442
Schnabel, P. 04832
Schnedler, E. 03958
03960
Schneider, G. 06179
Schneider, G.E. 08381
Schneider, H.M. 07475
Schneider, J.R. 00829
Schneider, W. 00740
00750
Schneidewind, N.F. 05414
Schnelle, P.D.,Jr. 06381
Schnirel, K. 08195
Schnuerer, M. 05918
Schnurr, L.E. 02977
08519
Schoch, L.B. 08657
Schock, H.J. 07426
Schoebi, P. 04736
Schoeffler, J.D. 04776
Schoell, E. 07381
Schoen, K.-R. 09263
Schoen, P.E. 09022
Schoenbach, K.H. 06640
Schoendorf, W.H. 00056
Schoenfelder, G. 00301
Schoenike, R.L. 07645
Schoepp, K. 03283
Schoeps, V. 01988
Scholtz, R.A. 08789
Scholz, F. 06701
Schonholzer, E.T. 06514
Schooley, L.C. 09593
Schopper, M.R. 01980
Schoute, F.C. 03164
Schouteden, D. 08330
Schouwenaars, H.J. 05520
05538
Schowengerdt, R. 07023
Schrade, H.O. 09072
Schrader, H. 00760
Schratz, J.P. 06933
Schraub, F.A. 03372
Schreiber, P.W. 03420
Schrey, U. 07438
Schrijner, P. 05798
Schroder, D.C. 03771
Schroder, D.K. 05573
05646
07273
09236
Schroeder, C.M. 09365
Schroeder, J.E. 03955
07636
Schroefel, J. 07482
Schroen, W.H. 06064
Schrooten, G.G. 05924
Schrote, M.R. 08006
Schubert, C.C. 07284
Schudy, R.B. 05306
Schueepp, U. 03394
Schueler, C.F. 08484
Schuessler, H.W. 07916
Schuler, A. 05792
Schuler, D.L. 08671
Schulte, R.P. 06614
Schulte, R.W. 02077
Schultz, D. 05953
Schultz, G.V. 06503
09019
Schultz, L.K. 02797
Schultz, R. 01897
Schulz, G. 05235
05673
Schulze, J. 05918
Schulze, T.J. 00991
Schulze, W.A. 02683
Schumacher, H. 07381
Schumacher, J.M.H. 02012
Schumaker, R.R. 01012
Schuman, D. 03741
Schuman, H.K. 08104
Schuoecker, D. 05790
Schupita, W. 07438
Schuszter, M. 03425
Schutt-Aine, J.E. 01166
Schutt, J.B. 00543
03481
07036
Schutz, J.D. 04481
Schwab, D.J. 09260
Schwab, T.F. 02837
Schwabe, U. 01233
07649
09247
Schwall, R.E. 04091
Schwanda, J. 00081
Schwartz, A.J. 01448
Schwartz, B. 07375
07549
Schwartz, B.B. 04237
Schwartz, E. 00633
Schwartz, J.D. 06233
Schwartz, M.I. 06144
Schwartz, R.B. 00380
Schwartz, R.N. 07297
Schwartz, S.C. 01538
01562
04732
06309
07688
Schwarz, D. 00421
Schwarz, E. 01389
01390
Schwarz, J.A. 02467
07239
Schwarz, W. 02305
Schweitzer, D.L. 03746
03981
Schweitzer, E.O. 08146
Schweitzer, E.O.,III 07469
Schwellenberg, U. 00118
Schwenk, F.C. 01848
Schwerdtner, A. 08945
Schwierz, G. 08631
Scialdone, J.J. 00456
Scifres, D.R. 00954
00962
Sciutto, G. 06511
Scofield, H.N. 08611
Scott-Monck, J. 02099
Scott, C.G. 00792
Scott, G.J. 06699
Scott, G.W. 00146
04893
Scott, J.C. 01012
Scott, J.R. 08070
Scott, K. 01799
Scott, M.L. 00910
Scott, P.D. 03144
Scott, W.B. 00534
01322
02080
Scown, V.S. 03547
Scudiere, J.D. 04091
Scully, K.R. 03582
Scully, M.O. 05734
Seaman, F.D. 02597
Seaman, J. 00592
03056
05406
06236
06263
07833
Sears, F.M. 04564
07740
Seashore, C.R. 00494
Seaton, C.T. 00905
Sebestyen, I. 02932
Sebko, V.P. 07227
Sebo, S.A. 05432
Sechi, F. 06114
Sedenquist, F.W. 06295
Sedlacek, J.H.C. 09050
Sedoi, V.S. 06772
Sedov, A.N. 06786
Sedra, A.S. 07145
Seed, T.J. 00193
Seeger, P.A. 05155
06891
Seeley, J.S. 07896
Seelig, W. 05764
Seetharaman, C.K. 03290
Seeto, A.W. 06223
Seevinck, E. 04450
06035
09264
Segal, A. 05340
Segal, G.I. 05737
Segalen, A. 08206
Segall, A. 04538
09314
Segeth, K. 04748
Segrest, J.D. 08587
Seh, E.B. 07835
Sehgal, H.K. 00226
Seidel, J.R. 03260
Seidelmann, P.K. 03092
Seidler, J. 01420
Seielstad, G.A. 04710
Seifert, G. 05598
Seifert, H. 04107
05804
Seikai, S. 09352
Seikel, G.R. 08283
Seikovskii, I.D. 03559
Seiler, B.D. 03982
Seilmeier, A. 09023

Seino, S. 04863
Seitz, M.-G. 08385
Seitz, N.B. 01419
Seitz, P. 06996
Seiyama, T. 02005
03550
Seki, S. 04779
07608
Sekiguchi, A. 00748
00751
Sekiguchi, M. 05165
Sekistov, V.N. 07535
Selan, J.C. 06659
Selbach, H.-J. 06648
06649
Selberg, L.A. 05300
Selberherr, S. 02632
02695
05893
09257
Selby, M.J. 00576
Selezneva, L.A. 08970
Self, M.O. 00892
08940
Self, S.A. 00164
03564
Selfridge, R.G. 02015
Selim, F.A. 01121
Selim, H. 06777
Selivanov, G.K. 02545
Sellappan, R.G. 00477
Seltzer, S.M. 03913
Selvarajan, A. 00987
Selverston, A.I. 05326
Sema, T. 05005
Semchenko, I.V. 08958
Semenkin, A.V. 00062
Semenko, N.G. 08275
Semenov, A.D. 08427
Semenov, E.N. 01951
Semenov, O.S. 06829
Semenov, V.A. 01729
Semenov, V.K. 04068
04231
Semenov, V.P. 08830
Semenov, V.S. 06829
Semenov, V.V. 08543
Semenova, E.E. 07211
Semenyuk, A.L. 08831
Semet, A. 01007
Semibratov, V.V. 08497
Semlyen, A. 00155
Semov, J.L.G. 04539
Sen, K. 02523
Sen, P.C. 02452
08151
08224
08834
Sen, S. 01144
Sen, S.N. 01917
Senani, R. 07248
Senda, T. 08226
Sendaula, M. 05026
09097
Senderowicz, D. 07201
Senechal, C.G. 06285
Senff, J.J. 00147
Sengupta, D.L. 08108
Sengupta, R. 08395
Senior, T.B.A. 08119
Senos, A.M.R. 07245
Sens, J.C. 05595
Senturia, S.D. 02791
09215
Sequeira, C.A.C. 00185
Sequin, M. 07718
Serain, D. 03079
Serci, S. 05588
Serdobol'skaya, O.Yu. 05117
Serdyuk, O.V. 09106
Serdyuk, V.V. 04433
Serdyukov, A.N. 08958
Sergeev, V.F. 04329
Sergeev, Y.A. 08327
Sergent, M. 08500
Serizawa, H. 07384
Serizawa, Y. 01302
Serpico, S. 01947
Serra, G. 06517
Serrano, J.J. 02337
Seryanov, Yu.V. 03904
Seshagiri Rao, T. 04347
Sessa, W.B. 07339
Seth, G.L. 01908
Seth, S.C. 06047
Sethia, M. 09597
Sethuraman, R. 04518
Sevastianov, S.B. 06780
Severdia, A.G. 05050
Sewell, J.I. 08779
Sexton, F.W. 04429
05997
Seya, Y. 01840
Sferides, A.D. 06449
Sforzini, M. 02474
Sha, L. 01177
Shaari, W.A. 08703
Shabanova, T.V. 08491
Shabushnig, J.G. 00305
Shacham, N. 02900
07680
Shafai, L. 04317
Shafer, B.D. 06001
Shafi, M. 06346
07686
Shah, K.R. 06591
08356
Shah, N.A. 02423
07207
Shah, R.R. 02772
05901
05902
Shah, S.L. 05195
Shahnasser, H. 06823
Shahsavari, M.M. 02121
Shaikh, N. 00332
Shaikh, Z.H. 04267
Shail, R. 06438
Shakdhar, M.L. 03150
Shaked, U. 07114
Shakher, C. 01002
Shakir, A. 07495
Shaks, A.I. 05540
Shakshin, N.I. 01608
01942
Shaktarin, V.N. 04249
Shalabutov, Yu.K. 07302
Shalaby, H. 05654
Shalev, S. 02619
09074
Shaltens, R.K. 00146
04893
Shaltout, A.A.M. 01707
Shamaev, P.P. 00256
Shamaly, A. 04887
Shaman, T. 05407
Shamanaev, Sh.Sh. 08495
Shamir, J. 07325
Shamma, S.E. 00163
Shanahan, S.T. 08929
Shand, M.L. 05743
Shand, W.A. 02579
Shanin, V.I. 05841
Shank, C.V. 00992
Shankar, P.M. 09540
Shanklin, R.E. 07064
Shanmugam, P. 00670
Shanmugan, K.S. 04718
Shanthikumar, J.G. 07994
Shao, B.-X. 07502
Shao, H.M. 06384
09291
Shao, H.M.-H. 04741
Shao, K. 04119
Shapiro, J.H. 03171
Sharaf, A.M. 06512
Sharko, A.V. 03520
Sharkov, V.F. 04033
Sharma, A. 01903
Sharma, A.B. 01347
Sharma, A.K. 03362
09124
Sharma, B.L. 02735
03956
07553
09252
Sharma, B.S. 04352
07530
Sharma, D. 00726
Sharma, E.K. 04308
Sharma, H.S. 03956
Sharma, J.K. 03359
Sharma, M.K. 08852
Sharma, M.L. 03844
04542
Sharma, P.C. 06475
08469
Sharma, R.S. 00658
02423
07207
Sharma, S.B. 06669
Sharma, S.P. 02868
Sharma, S.P. 05560
Sharma, S.S. 06007
Sharma, V.C. 01903
Sharma, Y.K. 08848
Sharman, B.L. 05986
Sharon, T.E. 01398
Sharp, L.E. 07363
Sharp, W.M. 08287
Sharpe, R. 02915
Shashani, M.M.-A. 05921
Shastin, A.G. 08474
Shaternikov, V.E. 08461
Shatynski, S.R. 02517
06060
Shaw, B.D. 02106
Shaw, D.M. 05796
05988
Shaw, G.L. 00976
Shaw, H.J. 05888
07747
Shaw, J.A. 08711
Shaw, M.R. 01324
Shaw, S.B. 00447
Shawhan, S.D. 00490
09313
Shayanfar, A. 05379
Shayanfar, H.A. 01847
Shayler, P.J. 01601
Shchedrin, I.F. 01809
Shchelkunov, V.N. 08497
Shcherbakov, A.V. 08517
Shcherbakov, V.Ya. 05834
Shcherbich, Yu.N. 07086
Shcherbinin, N.I. 06771
Shcherbinin, V.E. 01079
Shcherbinskii, V.G. 08033
Shchitov, Yu.P. 08491
Shealy, D.L. 07303
Sheem, S.K. 09382
Sheikoleslami, M. 00145
Shein, P.D. 01249
Sheinker, I.G. 05152
Sheinkman, M.K. 05682
Sheka, D.I. 02689
Shelaputin, I.D. 08468
Shelby, R. 04208
Shelton, J.P. 08118
Sheltzer, A. 05412
Shelyag, A.R. 00702
08490
Shen, H.-M. 08016
Shen, H.M. 04811
08829
Shen, W.-J. 07502
Shen, Y.-S. 07236
Shen, Y.R. 00866
Shenai, K. 01214
02802
04371
05914
Shenderov, P.M. 05086
Shenfield, D.M. 02859
Sheng, P. 05001
Shenker, A.A. 01975
Shenoy, V.P. 05466
Shenton, D. 06823
Shepard, K.W. 04170
Shepelevskii, L.Yu. 08436
Shepherd, K.P. 08592
Shepherd, P. 01509
Shepherd, R.A. 01533
Shepherd, W. 01761
06539
Sheposh, J.P. 02921
Sheppard, A.T. 06564
Sheppard, J.E. 04079
Sheppard, N.F. 02791
Sheppard, R.J. 00522
Sher, A. 05812
Sher, E.M. 07361
07368
Sheridan, S.E. 08841
Sheridan, T.B. 00623
Sherif, Y.S. 05258
Sherlock, R.A. 03418
Sherman, B.W. 08187
Sherman, K. 03993
Shestakova, E.F. 07499
Shestopalov, V.P. 06477
Sheu, J. 07249
Sheu, Y.C. 03528
Shevaldykin, V.G. 05112
09136
Shevenell, M.P. 08730
09487
Sheverdyaev, A.Yu. 01567
Shey, A.-J. 0438
Shi, J. 0561
Shi, S. 0231
Shia, G.A. 0513
Shiau, M.-J. 0321
Shiau, S.M. 0908
Shibakin, V.F. 0579
Shibasaki, R. 0368
Shibata, H. 0280
Shibata, K. 0385
Shibata, M. 0436
Shibata, N. 0777
0936
0938
09381
Shibata, T. 0149
Shibata, Y. 0025
0183
Shibatomi, A. 0445
0447
Shibayama, H. 0408
Shibukawa, A. 0122
0394
Shibukawa, M. 0603
Shibuya, H. 0495
Shibuya, M. 0386
Shibuya, Y. 0177
Shichijo, H. 0277
0441
Shichijyo, S. 0188
Shida, S. 0713
Shidlovskaya, E.A. 0195
Shieh, C.L. 0116
0757
Shieh, H.D. 0892
Shiek, B. 0808
Shiek, C.F. 0474
Shigehara, H. 0468
Shigemoto, J.M. 0527
Shigesawa, H. 0106
0807
Shih, A. 0885
Shih, C. 0093
Shih, C.-C. 0092
0387
Shih, H.D. 0437
Shih, I. 0080
Shih, Y.C. 0104
0379
Shikanov, A.E. 0832
Shikanov, A.S. 0734
Shilina, I.D. 0722
Shiloh, M. 05812
Shima, S. 04414
Shima, T. 01225
Shimada, M. 03002
Shimada, T. 07391
09010
Shimamoto, S. 04232
04264
04269
Shimano, S. 05501
Shimasaki, N. 09464
Shimaya, M. 05579
Shimbo, O. 02435
07940
07991
Shimer, D.W. 07453
Shimizu, A. 01261
05971
Shimizu, H. 00947
04473
Shimizu, K. 07315
Shimizu, N. 05823
Shimizu, S. 02838
03897
Shimizu, Y. 04864
Shimoda, Y. 01064
07203
Shimohigashi, K. 09221
Shimomura, H. 02335
Shimomura, T. 00133
06594
Shimoseko, S. 01548
02975
06181
Shimotake, H. 01802
Shimotori, K. 04487
Shimura, A. 05604
Shin, B.C. 01481
06271
Shin, K.G. 05203
Shin, R.T. 03240
Shin, S.-B. 05310
Shinada, S. 00624
Shindo, S. 02475

indo, S. 02905
inma, M. 03085
inmoto, S. 04989
inoda, S. 00672
05488
inoda, Y. 02528
inohara, H. 02934
04480
inohara, K. 02422
inohara, M. 02993
inoki, F. 01250
04105
hinoki, T. 04454
hinonaga, H. 01001
hinozuka, T. 03002
hinriki, M. 00690
02437
hintani, T. 04292
hintomi, T. 04195
04265
04284
04286
hinzawa, M. 09573
hiochi, M. 04414
hiono, N. 05579
hiono, T. 03975
hiota, H. 01856
hioyama, T. 09406
hiragasawa, T. 01235
hirai, H. 02916
03320
hirai, K. 04477
04484
04485
Shirakawa, I. 01243
02808
02842
Shiraki, H. 04228
04283
04452
Shiraki, Y. 09234
Shirane, K. 06278
Shirasaki, Y. 04304
Shirasu, H. 04653
06037
Shirey, R.W. 03021
Shirley, A. 06534
Shirley, R.S. 08575
Shirobokov, M.I. 05832
Shiryaev, Ya.M. 03424
Shishmakov, S.Yu. 08495
Shiue, C.-Y. 00518
Shiue, J.C. 03240
Shiva, M. 02262
Shivaprasad, A.P. 04499
05508
Shivashankar, H.N. 04499
05508
Shively, R.R. 09288
Shizawa, K. 03491
Shizhi, M. 04860
Shkarlet, Yu.M. 05845
Shkatov, E.F. 09150
Shlien, S. 07332
Shlikhtov, S.N. 07302
Shnyrkov, V.I. 04122
Shobeir, A.I. 01084
Shoda, M. 06711
Shohet, H.N. 03639
Shoji, A. 01250
04105
Shonaka, A. 04577
Shore, J.E. 09535
Shore, K.A. 00961
05761
07369
07386
07387
08995
Shortt, D.J. 01852
Shott, J. 06050
07621
Shott, J.D. 00732
Shoucair, F. 09207
09210
Shoucair, F.S. 05965
07605
Shoults, R.R. 01762
06694
Shouman, A.R. 01822
Shoun, P.H. 04912
Shousha, A.H.M. 02506
Shoyama, M. 07528
Shpiro, P.I. 06444
Shrabshtein, S.A. 06889
Shrivastav, A.K. 01414
Shrivastava, R. 01190
Shu, C.F. 01667
Shu, L. 05379
Shu, P. 01623
Shuchman, R.A. 03105
06294
09501
Shugan, I.V. 07871
Shukhman, V.A. 09059
Shukla, A.R. 01816
Shukla, V.S. 08417
Shul'gin, B.V. 02008
Shul'gin, V.A. 08456
Shul'man, A.Ya. 04120
Shul'man, M.E. 01809
Shul'meister, Yu.I. 06314
Shuligin, V.A. 07513
Shull, H. 08255
Shulte, H.J. 07761
Shultis, J.K. 00381
Shultz, R.D. 00151
00235
07474
08179
Shumlyanskii, I.I. 08064
Shur, M. 00796
Shur, M.S. 04428
05638
05968
08855
09253
Shuter, W.L.H. 09399
Shutilov, V.A. 09141
Shvaiko, I.G. 06483
Shvartsburg, A.B. 09378
Shvyd'ko, Yu.V. 06783
Shwartz, A. 07123
Sibilia, C. 00013
Sibran, C. 01150
Sicuranza, G.L. 02382
Sid-Ahmed, M.A. 05473
Siddall, M.B. 04241
Siddiqi, M.A. 07103
07147
Siddiqui, A.S. 08910
Siddiqui, F.M.A. 09087
Sidi, M. 04538
09314
Sidman, R.D. 08638
Sidorenko, V.A. 01810
Sidorov, V.G. 07302
Sieburth, J.F. 03575
Sieffert, J.A. 05583
Siegel, H. 03421
Siegel, H.J. 05385
Siegel, L.J. 05702
Siegel, S.A. 07733
Siegman, A.E. 03974
Siegmund, O.H.W. 05056
Siegrist, M.R. 07365
Sielski, H.M. 01395
Siemensma, T.W. 06682
Sigety, E.A. 09384
Sigg, R. 00728
Sigg, R.P. 05452
Signell, S. 08783
Sikkens, M. 02516
Silaev, V.I. 00246
Silard, A. 00779
03943
05653
Silber, D. 04398
Silberberg, Y. 01345
Silberman, G.M. 05928
06044
Silburt, A.L. 05942
Silleos, N. 07034
Siller, C.A.,Jr. 06108
Silva, M. 08443
Silva, M.M. 02352
Silver, A.H. 04053
04117
Silver, C. 00738
Silverman, J. 03913
Silverman, L.M. 02400
Silverman, P. 04353
Silvester, J.A. 01424
Silvester, P.P. 06805
Simeonov, S.S. 05911
Simkin, J. 06402
06754
07449
Simkins, M.A. 05554
Simmers, J.A. 08580
Simmons, G.H. 04413
Simmons, J.G. 01140
Simmons, R. 09519
Simmons, S.J. 06378
Simon, J.M. 00307
Simon, M. 02667
Simon, M.K. 03189
Simonaitis, D.F. 06063
Simond, J.-J. 00138
Simoni, L. 08188
Simonich, D.M. 03725
Simonis, G.J. 03561
07534
Simonova, T.G. 06657
Simons, N. 08357
Simons, R.L. 00742
Simons, R.N. 08452
Simons, T.D. 04968
Simonsson, D. 08313
Simpkins, S. 05519
Simpson, J.A. 08564
Simpson, J.R. 04564
Simpson, M.J. 08952
Simpson, R.G. 05300
Sims, G.R. 00511
Sims, J.L. 08611
Sin, K.S. 06382
Sinclair, D.A. 08485
Sinclair, P.C. 07061
Sinclair, R. 06662
Sinclair, T.J. 03322
03339
Sincoskie, W.D. 07842
Sinel'nikova, L.A. 08220
Sinenko, L.A. 03476
Sinenko, V.D. 04052
Sing, Y.-W. 01182
01259
Singal, C.M. 03929
Singer, C.E. 00165
Singer, E. 06275
Singh, A. 03532
03902
Singh, B. 01691
03282
Singh, B.P. 01691
03282
Singh, B.R. 04432
Singh, C. 00080
Singh, D. 02652
Singh, D.N. 07665
Singh, H. 03826
Singh, H.R. 04470
04471
Singh, K.R. 00168
00169
Singh, M. 05323
Singh, N.P. 07266
Singh, R.V. 03929
Singh, S. 03562
Singh, S.M. 03438
05688
Singh, S.N. 05017
06868
07266
08152
08561
Singh, V. 05388
Singh, V.P. 08083
Singhal, A.K. 00204
Singhal, K. 08792
Sinha, A.K. 05220
Sinha, B.K. 06721
Sinha, N.P. 02712
Sinha, R. 04444
Sinha, T.K. 00798
Sinha, V. 01591
03183
07794
Sinilo, V.P. 01329
Sinitsina, L.I. 01329
Sinkkonen, J. 01925
Sinton, R.A. 05612
Sinyavskii, G.P. 00314
Sipkes, M.P. 00445
Siraj, F. 05559
Sirat, G. 05671
Siripala, W.P. 07283
Sirisena, H.R. 05013
Sirivadhna, K. 00085
Sirota, I.M. 02054
Sirotenko, N.K. 00214
Sirsi, R.M. 06260
Sirtl, E. 03355
Sislian, J.P. 09048
Sissakyan, I.N. 09378
Sitaramaswamy, P. 06443
Sites, J.R. 01221
Sites, J.R. 05645
Sitts, G. 09170
Siu, D.P. 04421
Sivaram, T. 03183
Sivaswamy, R. 04708
Siversmith, D.J. 09050
Sivjee, G.G. 02264
Sivo, J.N. 03001
09418
Sjelvgren, D. 03390
Sjoberg, E.S. 03657
Skaar, S.B. 00479
Skafel, M.G. 02269
Skaggs, F.L. 07663
Skarita, J. 04135
Skarp, J. 00817
Skiles, D.A. 09482
Skirl, H.-J. 01242
Skjoeth, P. 08841
Sklansky, J. 05310
Sklar, B. 01291
02886
Sklizkov, G.V. 07343
Sklyarchuk, V.M. 07554
Skodras, A.N. 02355
Skokan, Z.E. 03740
Skoog, H. 03593
Skordalakis, E. 07009
Skorov, D.M. 00344
Skritek, P. 00671
Skuba, B.N. 01887
Skudelny, H.-C. 04870
Skupnjak, J.A. 04453
Skvarna, P.E. 01833
Skvortsov, V.V. 09153
Skyllas-Kazacos, M. 02502
Skyllas-kazacos, M. 08312
Slabakov, E.V. 00679
Slabbaert, J.P. 07507
Slade, P.G. 06578
Sladek, J. 03428
Sladek, V. 03428
Slamet, S. 04416
Slatem, R.R. 01718
Slater, J.M. 00926
Slater, N.J. 09152
Slater, P.N. 07032
08661
Slater, R. 09308
Slaughter, R.J. 09360
Slavinskii, S.I. 08430
Slavkov, V.D. 08842
Sleeper, H.A. 06373
Sleger, K.J. 04365
08080
Slemon, G.R. 00076
03296
04883
Sletbak, J. 01038
Sletten, E. 04658
Slezak, L. 06486
Sliwa, S.M. 00466
Slob, A. 02957
Slobodchikov, S.V. 07546
07555
Slominski, L.J. 02864
Slonim, M.A. 08839
Slotboom, J.W. 02957
04380
Slotine, J.-J.E. 08538
Slotine, J.J. 00390
Slowey, J.W. 05366
Slutsker, I.W. 08247
Sluzhbin, Yu.A. 05852
Slyusarenko, S.S. 07423
Smachlo, M.A. 04950
04951
Smagin, A.G. 09138
Smagin, N. 02323
Smaith, H.E. 00388
Small, B. 02059
Small, D. 03987
Small, G.W. 08423
Small, M.B. 09001
09002
Smalley, C. 03950
Smalling, K.D. 04943
Smathers, D.B. 04164
Smayling, M. 04440
Smead, F.W. 03627
04691
Smerkis, Yu.B. 01590
Smiley, R.G. 00451
01490
Smirnov, E.G. 00348
Smirnov, G.V. 06783

Smirnov, L.M. 02447
Smirnov, S.I. 03861
Smirnov, V.G. 07555
08969
Smirnov, V.V. 03053
Smirnova, N.M. 02318
Smith, A. 07662
Smith, A.C. 00369
Smith, A.D. 04066
Smith, A.J. 05952
Smith, A.M. 01534
Smith, A.N. 00095
Smith, A.R. 07636
Smith, B.A. 00476
00501
08589
Smith, B.M. 07894
Smith, B.W. 08507
Smith, D. 00608
03485
Smith, D.B. 03638
Smith, D.C. 06007
Smith, D.L. 06026
Smith, D.M. 02196
Smith, D.R. 00768
Smith, D.W. 01361
04557
Smith, E.B. 04952
Smith, E.C. 02110
Smith, F.E. 02088
Smith, G. 04698
Smith, G.B. 00209
02518
Smith, G.C. 03957
Smith, G.S. 08115
08451
Smith, H.B. 09508
Smith, H.L. 01298
Smith, I.R. 08485
09164
Smith, J. 02178
Smith, J.D. 05838
Smith, J.D.B. 07533
Smith, J.E. 09040
Smith, J.H. 03291
Smith, J.J. 05140
Smith, J.L.,Jr. 04266
Smith, J.M. 06124
Smith, J.O. 03800
07115
Smith, J.R. 06804
Smith, J.S. 01902
Smith, J.T. 03730
Smith, K.F. 02851
Smith, L.N. 04070
04211
04222
04240
05796
05988
Smith, L.R. 02799
Smith, M.K. 00478
Smith, M.P. 09500
Smith, N.A. 05432
Smith, N.C. 03467
Smith, O.E. 05262
Smith, O.P. 09410
Smith, P.H. 08691
Smith, P.M. 04395
05973
Smith, P.W. 05890
Smith, R. 05429
Smith, R.A. 00151
00235
07474
Smith, R.E. 03393
Smith, R.G. 02493
Smith, R.J. 03819
Smith, R.L.,Jr. 00121
Smith, R.M. 08737
Smith, R.P. 04132
Smith, R.W. 01512
Smith, S.D. 00905
00914
07725
Smith, S.M. 00567
00569
Smith, S.W. 00514
05298
Smith, T. 03965
Smith, T.L. 01507
Smith, T.W. 01514
Smith, V. 03659
Smith, W. 07664
Smith, W.V. 00965
03212
Smith, W.W. 05277
Smits, J.G. 08386
Smolinska, B. 05728
Smolinska, E. 06018
Smolinski, W.J. 01730
01731
06573
Smolka, G.J. 08741
Smolleck, H.A. 04932
Smolov, V.B. 01563
Smoot, P. 02293
Smovzh, A.K. 08914
Smyth, G.R. 01379
Smyth, M. 02617
06544
Smythe, D.L.,Jr. 05513
Smythe, R.C. 01065
08504
Snapp, C.P. 01240
Snapp, K.M. 07318
Snead, C.L.,Jr. 04100
Snigirev, O.V. 04177
04188
Snijder, P.J. 01421
Snow, A.W. 02002
Snyder, A.W. 09383
09386
Snyder, D.A. 01512
Snyder, D.E. 02848
Snyder, D.L. 01584
07705
Snyder, H. 06985
Snyder, K.D. 03391
Snyder, P.K. 02598
07433
Snyder, W.L. 01857
Snytnikov, V.N. 07347
So, E. 01929
01932
08252
So, J. 04758
So, S.M. 07276
Sobel, A. 08898
08899
Sobelman, G.E. 05947
Sobering, T.J. 03736
Socher, R.M. 02224
Soderholm, L.H. 08365
Soderstrand, M.A. 02356
03876
Sodha, G. 00206
Sodha, M.S. 00206
06669
Sodin, L.G. 07322
Sodini, C.G. 01180
09250
Soerowirdjo, B. 01175
07563
Soffer, B.H. 07300
Sofronkov, A.N. 05139
Sogawa, E. 02616
04093
Soi, I.M. 04582
Soileau, M.J. 07536
Soinski, M. 08455
Sojka, J.J. 07040
Sokabe, N. 09030
Sokel, R.J. 04429
Sokolov, A.N. 08324
Sokolov, D.D. 08289
Sokolov, M.A. 07251
Sokolov, V. 04420
Sokolov, V.A. 01249
Sokolov, V.B. 08517
Sokolovskii, V.M. 05044
Sokolow, A.T. 05801
Sokoly, T.O. 08221
Solaimani, M. 05291
Solbach, K. 07616
Soldatov, A.N. 07405
Soliman, A.M. 00684
00686
07171
Soliman, H.M. 05019
Sollner, T.C.L.G. 04169
Solmi, S. 05626
Soln, J. 08972
Solodukhin, A.P. 09106
Soloman, R.S. 03891
05548
Solomatova, A.I. 05541
Solomka, Yu.I. 00344
Solomon, P.M. 00578
04392
09223
Solov'ev, I.Ya. 05834
Soloviev, A.A. 06342
Solymar, L. 09042
Somenzi, F. 07656
Somlo, P.I. 09515
Sommars, W.E. 09240
Somuah, C.B. 02055
02340
07101
Son, E.E. 08464
Sonali 07286
Sondergeld, K.-P. 05193
Sondhi, M.M. 01482
Sone, J. 04085
Song, B.-S. 05925
05963
Song, K.H. 01481
04693
Song, S.S. 04153
04182
Soni, M.K. 03463
Sonnabend, D. 06792
Sonnichsen, J.C. 05028
Sonobe, T. 03883
Sonoda, D.H. 03443
Sonzogni, M. 07985
Sood, A.K. 02342
Sood, L.C. 04479
Sood, P.C. 03150
Soodak, C. 09340
Soohoo, J. 01135
Sopil'nik, A.V. 06833
Sorber, J. 05597
Sorci, J.B.,Jr. 01646
Sorrentino, R. 04829
Sosedov, V.N. 08482
Sosnin, F.R. 00843
Sosnitsky, V.N. 04173
Sosnovets, E.N. 06897
Sosnowski, M. 00101
Soto-Manriquez, J. 06733
Soueid, E.W. 07786
Soundalgekar, V.M. 08290
Sourander, M. 00442
Souriau, A. 03700
Sousa, E.S. 01422
01423
01594
Soussaline, F. 03667
Southard, J.R. 02823
Southwood, D.J. 02265
Southworth, C.S. 02191
Sovero, E.A. 02776
08997
Sozzi, D. 08173
Spackler, D.E. 03318
Spadoni, M. 04198
Spain, E.J. 05405
Spang, S.T. 01058
Spano, P. 00955
04030
07379
Spargo, J.W. 04080
Sparks, R.A. 00493
Sparlin, D.M. 06880
Spasojevic, M. 03341
Spasov, A.Ya. 02443
Speake, T.C. 07889
Spear, W.E. 01187
Spears, J.R. 03669
Spek, G. van der 00554
Speliotis, D.E. 05872
Spellman, M. 01307
Spence, J.E. 05461
Spencer, J.L. 07727
Spencer, M.G. 07547
Spencer, N.W. 02280
Spencer, W.D. 08650
Speray, D.E. 00892
Sperber, M. 08628
Sperelakis, N. 07016
Spero, J.E. 03026
Speyer, J.L. 08622
Spezio, A.E. 07905
Sphicopoulos, T. 03238
Spichkin, G.L. 06773
Spiegel, E.A. 04735
Spielman, B.E. 04325
08080
Spiers, R.J. 07338
Spies, K.P. 01419
Spiess, H. 04554
Spindler, K. 03323
Spindler, W.C. 03324
08298
Spirito, P. 01179
07614
Spitzer, C.R. 0856
Spitzer, M.B. 0562
0563
Spoerry, M. 0187
Spooner, P. 0206
0287
Sporzynski, G. 0282
Sprague, R.A. 0149
0260
0731
0917
Sprangle, P. 0093
0641
Sprevak, D. 0118
Sproles, E.S. 0286
Sproson, W.N. 0457
0616
Sri-Jayantha, M. 0653
Sridhar Reddy, N. 0550
Sridhara Rao, G. 0328
Srimathi, S.N. 0332
Srinath, M.D. 0698
Srinivasan, K. 0813
Srinivasan, N. 0661
Srinivasan, R. 0331
0333
0458
Srinivasan, S. 0138
0156
0294
0457
0567
Srinivasan, V. 0059
Sriraghavan, S.M. 0883
Sriram, K. 0799
Sriram, S. 0120
Srisailam, M.C. 0665
Srivastava, A.K. 0728
Srivastava, G.P. 05651
Srivastava, K.D. 0072
01722
Srivastava, P.K. 04599
Srivastava, R. 07414
09389
Srivastava, R.K. 01196
Srivastava, R.S. 07457
09079
Srivastava, S.K. 02688
Srivastava, V.C. 04204
Sroga, J.T. 09512
St. Jacques, A.L. 01736
St. Jean, G. 00106
St. Lorant, S.J. 04137
St. Maurice, J.-P. 03229
Staath, J.C. 09330
Stabenova, L.A. 05152
Staber, E. 04659
Stabrowski, M. 07518
Stacy, J.E. 00870
Stadlin, W.O. 08239
Staebler, D.L. 00788
Stafford, J.W. 02818
Stafsudd, O.M. 02501
04439
Staguller, J. 03044
Stahlmann, R. 08072
Staich, S. 05274
Staiger, W. 02558
Stalder, H.I. 00129
Stallard, B.W. 06630
Stallard, W.G. 02950
Stallings, W. 06256
Stallmann, F.W. 00195
Stalos, S. 08887
Stamper, J.A. 07346
07435
Stamps, D. 02348
02986
06290
Stanc, S. 04977
Stancalie, V. 00945
Stangl, H. 03054
04528
Stankovic, S.S. 04764
Stanley, D.J. 00540
Stanley, I.W. 04557
Stansell, T.A.,Jr. 03096
Stanton, T.K. 03108
Stappaerts, E. 00903
Starcevic, M. 00082
Stark, L.S. 07003
Stark, W.E. 04788
07926
Starks, S.A. 02894
Starostin, A.N. 07394
Starzyk, J.A. 03830

Starzyk, J.A. 08780
Stas'ev, V.P. 07372
Stassinopoulos, E.G. 01154
Stauffer, A. 09262
Stauffer, J.R. 01471
Stauffer, N.W. 05783
Stearns, R.C. 09366
Steckl, A.J. 01246, 02829
Stedman, J. 02099
Steeger, G.H. 00524
Steeger, P.F. 09391
Steel, W.H. 08953
Steele, C.W. 06822
Steele, R. 07776
Steele, S.C. 08435
Steen, A. 08707
Steenaart, W. 05446
Steenstrup, R.V. 02797
Steenvoorden, G.K. 07463
Steer, M.B. 07897
Steeves, M.M. 04209, 04290
Stefani, G. 06903
Stefanovic, V.R. 01759, 03271, 04885, 06513, 06598
Steffen, P. 00865, 02379, 08765
Steffens, H.A. 04288, 04293
Stegeman, G.I. 09107
Steger, U. 09130
Stegmann, R. 02526
Steigerwald, R. 05656
Steiglitz, K. 06039
Stein, B.A. 01937
Stein, B.F. 04079
Stein, D.L. 00027
Stein, K.J. 02092, 02103, 02981, 03093, 06948, 06952, 06964
Stein, W. 05216
Stein, W.E. 00921
Steinacker, M. 03038
Steinbach, M. 02539
Steinberg, B.D. 02906
Steinberg, L.I. 06040
Steinberg, R.A. 04665
Steinberg, T.A. 04862
Steiner, C. 06597
Steiner, D. 02237
Steinhardt, A. 03797
Steinlin, W. 04634
Steinmetz, D.L. 07311
Steilrecht, H. 03157
Stemme, E. 09155
Stenflo, L. 06447
Stengel, R.F. 05254
Stenton, W.C. 00990
Stepanekno, A.N. 05550
Stepanov, B.M. 08439, 08440, 08864
Stepanov, E.V. 07385
Stepanov, G.V. 01081
Stepanov, S.N. 01290, 01573
Stepanova, A.V. 05884
Stepanyants, Yu.A. 06416
Stepashkin, A.I. 02399
Stephan, K.D. 04849, 08086, 08656
Stephens, D.H. 08660
Stephens, P.E. 06362
Stephenson, F.W. 00634, 00656
Stephenson, J.M. 03293
Stepinski, B. 08369
Stepp, R. 02919
Sterian, P.E. 09007
Sterler, G. 02339
Stern, G.J. 05827
Stern, L.A. 09203
Stern, R.A. 07485
Sternheim, E. 06806
Sterzer, F. 05305
Stetsenko, Yu.E. 00246
Stetson, L.E. 08255
Steven, M.D. 00547
Stevens, E.H. 04396
Stevens, P. 05924
Stevens, R. 09404
Stevens, R.A. 00151
Stevens, R.H. 01764
Stevenson, D.W. 07303
Stevenson, J.E. 08159
Stevenson, J.M. 03327
Stevenson, S.M. 09420
Stevenson, W.H. 02604
Stewart, C.P. 01523
Stewart, C.S. 06628
Stewart, D.L. 02234
Stewart, I. 07153
Stewart, J.R. 06999
Steyskal, H. 04842, 04843
Stibunov, V.N. 07460, 08511
Sties, M. 05666
Stieve, H. 09131
Stigter, C.J. 03417
Stiles, P.J. 02737
Stiles, W.H. 03220
Still, D.W. 07634
Stiller, P.H. 00146
Stillman, G.E. 00267
Stillwell, R.P. 02495
Stinebring, D.R. 03728
Stipura, A.P. 02656
Stirbl, R.C. 06131
Stirling, R. 02078
Stitt, S.C. 09482
Stock, L.V. 07279
Stockinger, J. 09267
Stoeckli, F. 00084
Stoev, I. 04424
Stogryn, A. 09172
Stoica, M. 00945
Stoilov, I. 03834
Stojadinovic, N. 01257
Stojadinovic, N.D. 04448, 07575
Stokes, L.F. 05888
Stokic, D. 02037, 05179, 08552
Stolen, R.H. 01355, 04564
Stoller, R.A. 08897
Stolt, L. 01139
Stolyarchuk, P.G. 01879
Stone, C.S. 08898
Stone, D.C. 07636
Stone, D.S. 01058
Stone, F.T. 07771
Stone, J. 07740, 09362
Stone, J.L. 06670
Stonkus, D.J. 08213
Stork, J.M.C. 02725
Storti, S. 08799
Stott, B. 00140
Stoughton, J.W. 05353
Stovall, J.P. 06674
Stove, G.C. 03711
Stoylov, S.P. 03472
Stracca, G.B. 03168, 03236
Strackbein, B. 06176
Straessler, S. 07506
Strand, R.C. 05158
Strand, T.C. 07298
Strange, R.R. 03413
Stranix, A.J. 01766
Stranne, G. 01718
Strashilov, V. 03526
Strasser, W. 07289
Stratieva, N.R. 00215
Stratonovich, R.L. 00006
Stratton, S.A. 07002
Strauss, B.P. 04183
Strawbrich, R.C. 06260
Strayer, D.M. 04058
Strebel, B. 09349
Strecker, H. 01910
Streckert, H.H. 03954
Streed, E. 01832
Streibl, N. 00882, 00889
Streifer, W. 00954, 04006, 08962
Streit, R.L. 04839
Stremel, J.P. 04916
Streten, N.A. 03712
Strickland, J.H.,Jr. 07118
Stridbaek, E. 04629
Striffler, C.D. 07480
Strikha, V.I. 02689
Stritter, S. 04463
Strodtbeck, A.L. 07801
Stroehle, D. 06086
Strohbehn, J.W. 05341, 07000
Strojwas, A.J. 06077
Strole, N.C. 06246
Stromberg, W. 03707
Strome, W.M. 00544, 05356
Strong, R.D. 03517
Strotman, R. 09214
Stryjewski, E. 00245
Strzalkowski, I. 05959
Stuart, J.R. 01394
Stuart, R.A. 01223
Stuart, T.A. 05547
Stubberud, A.R. 04697
Stubenrauch, C.F. 01666
Stubkjaer, K.E. 09001, 09002
Stuchly, S.S. 01534, 04303, 04305
Stuck, B.W. 04641, 07924, 08723
Stultz, S. 02219
Stumpers, F.L.H.M. 06104
Stumpf, B.L. 03760
Stupak, S.D. 02907
Stupnicki, J. 03554
Sturm, J.C. 07642
Sturman, B.I. 00287
Sturman, J.C. 08615
Sturz, W. 00414
Stutzman, W.L. 09419
Stwalley, W.C. 06740
Stys, Z.S. 05015
Su, C.B. 04023
Su, G. 06322
Su, L. 03256
Su, L.M. 09239
Su, R. 06971
Su, S.-J. 03662
Su, W.H. 01143
Su, Y.-L. 04838
Subba Rao, T. 07909
Subba Rao, V.S. 03261
Subbarao, W.V. 01350
Subbayyan, R. 05492
Subbotin, V.I. 07421
Subrahmanyam, V. 01685, 03284
Subramaniam, P. 00663, 01930
Subramanian, A.K. 01867
Subramanian, G. 08388
Subramanian, R. 02067
Suchy, P. 07440
Suciu, M. 07556
Sud'enkov, Yu.V. 09141
Suda, A. 07413
Suda, H. 04570
Suda, T. 01405, 03928, 07844
Sudan Gupta, M. 09524
Sudan, R.N. 07065
Sudarshan, T.S. 00716
Sudboe, A.Sv. 04014, 04029
Sudeiko, G.I. 08804
Sudo, S. 04570
Sudo, T. 00776, 04474, 04493
Sudworth, J.L. 06647
Suekane, M. 01670
Suematsu, Y. 00943, 01334, 07373, 08964
Suenaga, M. 01548, 04191
Sueoka, A. 01960
Suess, D. 02281
Suesse, K.-E. 09111
Sugahara, M. 04000, 04074
Sugano, T. 05567
Sugawara, S. 04782
Sugawara, T. 05545
Sugerman, A. 03468, 05916
Sugeta, T. 00807, 05957, 07567
Sugiki, T. 02951
Sugimori, Y. 02959
Sugimoto, M. 09000
Sugimura, A. 07370
Sugino, T. 00947
Sugisaka, M. 06336
Sugiura, T. 00685, 03851
Sugiyama, M. 07424
Sugiyama, S. 02628, 05105
Sugiyama, T. 06143
Sugiyama, Y. 04382
Suh, Y.T. 09527
Suhara, T. 03975
Suk, M. 08941
Sukhanov, A.N. 08969
Sukhinin, V.A. 07459
Sukhotin, A.M. 07251
Sukhov, M.Yu. 07372
Sukonnikov, Yu.K. 06743
Sul, S.K. 06528
Sule, R.R. 04597
Sulfridge, C. 02006
Sulima, O.V. 05649
Sull, S. 08941
Sullivan, E.J. 03110
Sullivan, M.R. 01660
Sullivan, R.D. 09517
Sullivan, T.P. 06241
Sumida, M. 09359
Sumin, M.I. 02180
Suminov, V.M. 05841
Sumiyoshi, F. 04200
Sun, C.-B. 03166
Sun, D.I. 01762
Sun, M. 03414
Sun, N.-H. 03203
Sun, Y.Y. 05369
Sun, Z.-X. 00659
Sunami, H. 09213, 09221
Sundal, J. 00647
Sundaram, L.M.G. 03946
Sundaresan, R. 03558, 04377
Sundareshan, M.K. 04620
Sundarsingh, V.P. 02707
Sundberg, C.E. 07992
Sundberg, C.E.W. 01304
Sundberg, V.C. 06505
Sundvold, P.D. 02522
Suni, I. 00782
Sunke, L. 08390
Sunkel, J.W. 02089
Sunwoo, J.S. 02366
Suobank, D.W. 06857
Supowit, K.J. 06009
Suri, A.K. 03150
Suri, R.K. 00201
Surprenant, T. 09408
Suryan, G. 01153
Susa, N. 05603, 08868
Susaki, W. 00941
Suski, L. 08302
Sussman-Fort, S.E. 05487
Sussman, G. 02880
Sussmann, H.J. 05471
Sustik, J.M. 06132
Sutadisastra, H.B. 02247
Sutaria, F. 03198
Sutherland, H.A. 02055, 07101
Sutton, E.C. 01016
Sutula, R.A. 08300
Suyama, K. 04473
Suyama, T. 04007
Suyazov, V.M. 08454
Suzaki, S. 07373
Suzuki, A. 09000
Suzuki, C. 08930
Suzuki, E. 04283
Suzuki, H. 00089, 00297, 01071
Suzuki, J. 04502
Suzuki, K. 03905

Suzuki, K. 08212
Suzuki, M. 01273
02682
02769
03928
04021
04026
04310
04399
04474
05020
05108
08023
08027
09062
Suzuki, N. 01224
Suzuki, O. 04577
Suzuki, S. 00748
00751
05868
06739
Suzuki, T. 04047
04653
08198
08775
09255
Suzuki, Y. 03002
04689
09345
Suzuoki, Y. 05148
Svalov, G.G. 04260
Svanberg, S. 07345
Svechnikov, S.V. 08914
Svelto, O. 07352
Sverak, J.G. 03295
08272
Sverdlov, A.I. 03555
Svestka, J.A. 05258
Svin'in, S.F. 01563
Svinin, M.P. 03259
Sviridov, V.G. 08463
Svitashev, K.K. 05931
Svob, G.J. 05268
Svoboda, J.A. 07154
Svyat-skii, B.S. 02661
Svyatskii, B.S. 08474
Swain, R.A. 07708
Swallom, D.W. 00157
04969
Swamy, M.N.S. 00667
03792
03894
04754
05443
05509
08776
Swane, E. 00890
Swaney, F.J. 03398
Swann, M.R. 05261
Swanson, E.R. 03088
Swanson, G.J. 00900
07330
Swanson, J.G. 01230
Swanson, L. 09582
Swanson, L.W. 02858
Swanson, R.M. 00732
05612
05914
Swart, J.W. 01157
Swart, P.L. 04942
Swartz, R.G. 05978
Swartzlander, E.E.,Jr. 09287
Swaszek, P.F. 01551
07982
Sweeney, J.J. 02167
Sweezy, G.A. 02642
Swenson, D.V. 03694
Swift, C.T. 02273
08672
Swift, G.W. 04953
08216
Swift, K.G. 00386
Swinhoe, M.T. 00383
Swinsky, G.W. 07841
Swirhun, S.E. 05612
Switzer, G.L. 03420
Sworder, D.D. 04998
Sybille, G. 01775
Sych, N.Yu. 01981
Sycheva, T.A. 08503
Sydora, R.D. 06832
Sykas, E.D. 01428
Symonds, F.W. 01876
Synakh, B.S. 08053
Syphers, D.A. 02737
Sysoev, A.A. 08704
Szabo, A. 09014
Szabo, Z. 06112
Szanto, L. 09296
Szaro, L. 05575
Szatkowski, A. 02407
Szatmari, S. 08808
Sze, W.C. 04933
Szechtman, M. 08246
Szekely, J. 00705
Szentesi, O.I. 02927
Szeto, E.W. 02402
02406
07174
Szmidt, J. 04366
Szoerenyi, A. 00754
Szondi, E.J. 00749
Szpak, S. 03328
Szpitalak, T. 03935
Szu, H.H. 00032
Szuprowicz, B. 08906
Szuprowicz, B.O. 06010
Szwaykowski, P. 07362
08947
Szycher, M. 08645
Szymanski, J. 03348

T'Hooft, G.W. 08901
T'Jollijn, B. 00119
Tabachnik, V.P. 01083
03497
07525
Tabaczynski, J.A. 06286
Tabei, K. 03320
Taborsky, C. 05294
Tache, J.P. 09127
Tachikawa, K. 04195
Tachikura, M. 09387
09393
Tada, E. 04232
04253
04264
04269
Tada, K. 01719
04482
Tadeusiewicz, M. 07165
Taeuber, R. 02973
Taflove, A. 07876
Tag, I.A. 01822
Tagami, H. 08103
Tagami, K. 05862
Tagawa, H. 05753
Taggart, D.G. 05114
Taghizadeh, M.R. 00905
07725
Tagliaferro, A. 07281
Tago, H. 04414
Tagori, T. 05020
Taguchi, O. 04275
Taguchi, S. 07250
Taha, I.S. 01828
Taha, S.M.R. 00687
Tai, C.-T. 04850
08096
09089
Tai, C.T. 09094
Tai, G.-C. 08087
Taillard, J.-P. 03612
Taira, A. 01505
Taira, K. 05976
Tajima, J. 04779
Tajima, K. 07689
Tajima, T. 06832
Tajima, Y. 08807
Takacs, D. 01233
Takacs, G. 01452
Takada, S. 01250
02616
04093
Takada, T. 04493
Takagai, Y. 04689
Takagi, A. 04782
Takagi, H. 04480
04525
07613
07684
Takagi, K. 09280
Takagi, M. 02822
Takagi, T. 06724
Takahama, T. 00790
Takahashi, H. 01201
06352
08921
Takahashi, K. 00941
02635
04405
Takahashi, K. 05987
08902
Takahashi, M. 03680
04573
Takahashi, N. 06580
07517
Takahashi, O. 09345
Takahashi, S. 02320
04478
Takahashi, S.I. 02374
Takahashi, T. 07637
Takahashi, Y. 03873
03888
04232
04253
04264
04269
Takai, Y. 05683
Takaki, S. 04224
Takakura, H. 01131
02496
Takano, S. 00340
Takaoka, M. 01724
Takase, Y. 01914
Takashima, K. 06656
08308
Takasuna, T. 08199
Takata, S. 06538
Takato, N. 04309
Takatori, H. 04653
Takayama, Y. 04508
Takayanagi, H. 05805
Takeda, E. 01224
01261
05971
Takeda, S. 00089
Takeda, Y. 05600
Takehana, H. 02641
Takehara, S. 02964
Takemoto, K. 09359
Takemura, T. 01885
Takemura, Y. 02951
02971
Takenaga, M. 01511
Takenaka, T. 02993
Takenoshita, H. 03926
Takeo, M. 04200
Takeshita, S. 04738
Takeshita, S.Y. 01302
Takeuchi, E.I. 04495
Takeuchi, K. 02918
07424
Takeuchi, M. 03039
Takeuchi, N. 00967
Takeuchi, S. 05078
Takeuchi, Y. 02341
09248
Takeuti, Y. 04224
Takezoe, H. 08913
Takigawa, M. 02628
Takigawa, S. 05600
Takiguchi, H. 08963
Takiyama, K. 01062
08075
Takizawa, Y. 02951
Tako, T. 02592
02593
04009
05760
Taktarov, N.G. 08285
Takuma, H. 08976
Tal, J. 05223
Talas, P. 01703
Tallon, P. 06983
Talnagi, J.W. 05162
Talukdar, S.N. 01862
04947
Tam, A.C. 09066
Tam, K.-S. 01745
Tam, S. 02693
02754
Tamada, N. 04192
Tamagawa, N. 05866
05869
Tamagawa, T. 08226
Tamaki, A. 03533
Tamama, T. 02726
Tamamura, T. 06779
Tamburrini, M. 00955
07379
Tamenaga, Y. 01856
Tamor, S. 06632
Tamura, A. 04436
Tamura, H. 01960
05718
07493
Tamura, M. 0493
Tamura, S. 0201
0257
0572
0749
Tamura, T. 0445
0937
Tamura, Y. 0014
Tamutus, D.J. 0390
Tan, C.H. 0789
Tan, E.C. 0065
0162
0236
0239
0381
0547
Tan, F.L. 0437
Tan, S.-S. 0117
Tanabe, M. 0293
0296
Tanabe, T. 00091
0011
0171
Tanahashi, T. 03491
Tanaka, A. 0677
Tanaka, C. 0132
0293
0777
Tanaka, F. 0468
Tanaka, H. 0328
0943
Tanaka, I. 0447
Tanaka, K. 0201
0257
0585
Tanaka, M. 0034
0132
0448
Tanaka, N. 0893
Tanaka, O. 0799
Tanaka, S. 0119
02937
Tanaka, T. 02083
04265
04287
04483
Tanas, R. 08008
Tanasoiu, C. 06712
Tanbun-Ek, T. 07373
Tancu, F. 07441
Tandan, N. 04413
Tandon, A.K. 06533
08177
Tandon, S.C. 00070
Taneya, M. 08903
08963
Tang, C.L. 06782
Tang, D.D. 07560
Tang, D.T. 05928
Tang, P. 05389
Tang, T. 08112
Tang, T.-W. 01177
Tang, T.W. 05923
Tanguay, A.R.,Jr. 07298
Tanguay, L. 09171
Tanifuji, T. 09352
Tanigawa, H. 04495
Tanigawa, K. 02333
Taniguchi, K. 00681
Taniguchi, T. 00748
00751
Tanik, Y. 01578
Tanimoto, M. 01191
05505
Tanino, H. 00310
Tanizawa, K. 02641
Tanji, M. 02601
Tanji, T. 05545
Tanmatsu, K. 02955
Tannenbaum, M.J. 04133
04257
Tanner, D.B. 00312
Tanner, W.R. 00424
Tanninen, V.P. 00817
Tanski, W.J. 06721
Tantaratana, S. 04719
Tantawi, M. 04960
Tantawy, M.A. 06703
Tantiblarphol, S. 03083
Tanuma, S.-I. 01949
Tao, C.-K. 00885
Tao, H. 06554
Tapia, M. 02548
Tappan, G. 03690
Taralenko, N.D. 02457
Tarapov, I.E. 03321

apov, I.E. 04295
asevich, A. 07310
askin, S.N. 01156
asov, A.F. 07074
dieu, J. 03717
ela, J.M. 07210
enghi, M. 07070
ri, M. 00717
.... 08175
rjan, P.P. 07005
rko, L.O. 00702
.... 08490
rnawecky, M.Z. 04953
rng, S.-S. 02450
rng, T.T.-K. 02812
roni, A. 04338
rquin, A.J. 03771
rtara, G. 07985
rucha, S. 04320
.... 07388
rui, Y. 04497
asaka, S. 06107
ashiro, H. 07391
.... 09010
assan, S. 07053
atchyn, R. 05053
ateishi, K. 05696
.... 07301
atematsu, M. 03850
ateno, H. 09096
atla, J. 00144
aubin, A.R. 00682
autz, M. 06974
avendale, A.J. 02699
avendale, R.D. 05725
avis, M.T. 09025
avsanoglu, V. 05444
awil, V. 09401
ay, H.-C. 08216
ayati, W. 00079
ayler, D. 02150
aylor, B. 03531
aylor, C. 04126
.... 04179
aylor, C.W. 04902
aylor, D. 04465
aylor, D.P. 06346
.... 07686
Taylor, E.C. 00497
Taylor, F.J. 00636
.... 04762
.... 05451
.... 07116
Taylor, G. 05933
Taylor, G.E. 00409
Taylor, G.W. 01140
.... 02742
Taylor, H.F. 01363
Taylor, J. 07834
Taylor, J.B. 03352
Taylor, K. 02580
Taylor, L.M. 03694
Taylor, M. 01658
Taylor, N.K. 08566
Taylor, P.M. 00409
Taylor, R.H. 00428
Taylor, R.M. 00368
Taylor, R.S. 00949
Taylor, R.W. 06674
Taylor, T.H. 08603
Taylor, W.K. 09327
Tazlauanu, M. 00779
.... 03943
Tazumi, Y. 08225
Teagan, W.P. 01706
Tebo, A. 06736
Tecca, J.E. 03076
Tedrow, P. 01013
Teets, R.E. 07378
Teh, C.H. 01558
.... 09567
Teitsma, A. 00318
Telle, J. 07409
Temerti, G.F. 05852
Temes, G.C. 05486
.... 08853
Temple, V.A.K. 01185
.... 02724
Ten Eick, R.E. 03677
Ten Kate, H.H.J. 04288
.... 04293
Tench, D. 06655
Tenedorio, J.G. 07601
Teneketges, N.A. 02847
Teneta, M.V. 00258
Teng, C.W.-H. 05975
Teng, X.Y. 02190
Tengdin, J.T. 00129
Tenma, T. 03072
Teoh, C.L. 03941
Tepedelenlioglu, N. 01578
Teplyakov, D.I. 00219
Tepper, G.D. 00589
Ter Beeke, H. 04183
Ter-Pogossian, M.M. 05304
Terakado, R. 01946
Teramoto, I. 00947
.... 09249
Teramura, H. 09462
Teranishi, N. 04495
Teranishi, T. 01519
Terauchi, H. 08862
Terdan, F.F. 08615
Terekhina, L.I. 01124
Terekhov, A.I. 03476
Terman, C.J. 07624
Terrile, M.C. 00323
Terrill, K.W. 02693
Terts, P. 03071
Terui, Y. 00775
Terzian, P.A. 07601
Terzuoli, A.J.,Jr. 07018
Tesche, C.D. 04073
Tescher, A.G. 08936
Teschler, L. 01920
Teshima, K. 00268
Tesseron, J.M. 04959
Teter, J. 00604
Tewary, V.K. 05004
Tewksbury, S.K. 05445
.... 07604
Teytz, K. 00209
.... 02518
Tez, E.S. 09164
Thackara, J. 07299
Thajchayapong, P. 02403
Thakur, A.K.S. 03360
Thalmann, E. 08849
Tham, Y.K. 01582
Thangasamy, S. 06658
Thaniyavarn, S. 05667
.... 07754
Thansandote, A. 01534
.... 08420
Thareja, A.K. 03200
Thatcher, T.W. 05198
Thaxter, J.B. 04211
Thayer, G. 01811
Thayer, M. 07272
Theis, D. 05676
Theis, R.F. 02195
Theodorou, N.J. 05229
Theunissen, M.J.J. 04380
Theuretzbacher, N. 04630
Theus, J. 01034
Thibodeau, D.E. 02094
Thiebeaux, C. 08438
Thiel, D.V. 01620
Thiel, E.D. 05207
.... 05208
.... 05209
Thiel, F.A. 02504
Thiele, G. 03673
Thiele, G.A. 06492
Thieret, T.E. 01897
Thim, H. 07267
Thimlar, M.E. 05259
Thione, L. 00100
Thiruvengadam, S. 04328
Thode, L.E. 00053
Thoma, G. 07712
Thomann, H. 05883
Thomas, A.M. 03636
Thomas, A.W. 08646
Thomas, C.B. 00815
Thomas, D.E. 06005
.... 06014
.... 07617
Thomas, E.C. 01523
Thomas, G.E. 03840
Thomas, H. 02527
Thomas, H.M. 05364
Thomas, J. 05240
Thomas, J.B. 01551
.... 06309
.... 07978
.... 07982
.... 09534
Thomas, J.F. 04413
Thomas, J.T. 02866
Thomas, K.H. 01431
Thomas, K.J. 05054
Thomas, M.A. 06653
Thomas, M.E. 01607
.... 03495
Thomas, R.E. 07169
Thomas, R.J. 04891
Thomas, S. 02854
Thomas, W.V. 07662
Thome, R.J. 04144
Thomi, W. 04187
Thompson, A.C. 05299
Thompson, A.V. 07644
Thompson, C.D. 06029
Thompson, D.C. 03991
Thompson, D.D. 08932
Thompson, D.E. 07336
Thompson, D.J. 05370
Thompson, D.R. 08647
Thompson, E.D. 01014
.... 04168
.... 04175
Thompson, H.D. 02604
Thompson, J.E. 00715
.... 00716
Thompson, J.K. 00354
Thompson, L.D. 08104
Thompson, M.C. 03900
Thompson, M.R. 02224
Thompson, P.R. 01838
Thompson, R.A. 06094
.... 06212
Thompson, R.E. 09340
Thompson, R.F. 03930
Thompson, W. 02666
Thompson, W.S. 01288
Thomsen, F. 08403
Thomson, D.D. 06409
Thomson, D.J. 05639
.... 05640
Thong, T. 01540
Thooris, B. 06752
Thorne, R.E. 01206
Thornton, J.E. 05411
Thornton, L.A. 01857
Thornton, R.L. 08471
Thorp, J.S. 00093
.... 04351
Thorpe, C.E. 08539
.... 08687
Thorpe, T. 06662
Thue, W.A. 00115
Thulasiraman, K. 00667
.... 02408
Thum, Ch. 07293
.... 07305
Thurlings, L. 05858
Thutupalli, G.K.M. 07720
.... 07750
Thyfault, D.V. 06961
Thylen, L. 08996
Tiberio, R. 01611
Tichler, J. 00574
Tidman, D.A. 06963
Tiedje, T. 05611
Tiefenthaler, K. 07481
Tien, B.N. 02843
Tien, J.-W. 03504
Tierney, J. 06275
Tiesler, J. 02426
Tiesmeyer, J. 06735
Tiesnes, M. 04531
Tietz, J.C. 05364
Tihanyi, J. 02431
Tikhomirov, Yu.I. 08508
Tiku, S.K. 03957
Tilden, S.B. 05788
Tille, R. 02254
Tillman, R.L. 02862
Tillotson, K.D. 08599
Tilmans, H.A.C. 08386
Tilston, M.A. 03205
.... 06433
Timar, P.L. 08142
Timko, K.J. 01858
Timko, Yu.N. 03912
Timmons, M. 05681
Timofeev, A.L. 07092
Timofeev, A.S. 02608
Timofeev, V.I. 01974
Timofeeva, E.K. 03461
Timonin, A.S. 07421
Timoshin, Yu.M. 03912
Timp, G. 01013
Tinchev, S.S. 04121
Ting, B.S. 02843
Ting, C. 02540
Tinkham, M. 04067
Tinney, W.F. 00140
Tinnin, D.J. 06909
Tippel, K. 05781
Tiramani, A.R. 00105
Tischer, P. 00829
Tischler, M. 09206
Tischler, M.A. 05681
Tisinger, E.W. 06745
Titchmarsh, J.G. 04565
Titov, S.V. 00023
Tits, A.L. 03777
Tits, D.G. 03651
Tittel, F.K. 05055
Tiwari, A.K. 08030
Tiwari, G.N. 00207
.... 00226
.... 01818
.... 04993
.... 06666
.... 06669
Tiwari, P. 00729
Tiwari, S. 07562
Tiwari, S.C. 07208
Tizabi, D.J. 02775
Tjelle, P.A. 04906
Tjhung, T.T. 06169
.... 07895
Tkachenko, A.K. 03865
Tkachenko, K.V. 06870
Tkachenko, V.A. 02444
Tkachenko, V.I. 08059
Toba, Y. 06037
Tobagi, F.A. 04632
.... 04667
Tobias, L. 00465
.... 00468
Tobin, M.S. 09029
.... 09031
Tobin, S.P. 05637
Tocci, L.R. 01271
Toda, H. 04483
Toda, J. 01331
Todd-Pokropek, A.E. 03969
Todorov, T. 09044
Todurov, A.F. 01882
Toedt, W. 04332
Toepperwein, L.L. 00424
Toernqvist, R.O. 00817
Togai, M. 05173
Togami, Y. 01519
Togatov, D.V. 07087
Togawa, Y. 07151
Toivonen, H.T. 00439
Tokarev, Yu.V. 07074
Tokarsky, E.W. 02865
Tokarz, J. 09458
Tokizawa, I. 07812
Tokuda, M. 01325
.... 09380
.... 09381
Tokuda, T. 05995
.... 09279
Tokumaru, H. 05226
Tokumaru, Y. 02838
Tokumasu, T. 06553
Tokumitsu, Y. 08810
Tokunaga, Y. 08946
Tolendino, L.F. 07999
Toles, M.T. 04617
Tolhurst, G.C. 00352
Tolk, K. 08210
Tolksdorf, W. 04544
Tolmachev, I.I. 05067
Tolpadi, S.K. 03231
Tolstrup, T. 03067
Tom, H.W.K. 00866
Tomaciello, R. 02505
Toman, K. 06301
Tomar, R.S. 07488
.... 09092
Tomar, V.S. 02614
Tomaru, K. 09432
Tomasi, C. 09532
Tomek, Ch. 04748
Tomik, J. 04977
Tomimuro, H. 01064
Tominaga, H. 09435
Tominaga, S. 01719
.... 01723
Tomisawa, O. 09279
Tomita, M. 09518
Tomita, N. 00698
Tomizawa, K. 07589
Tomizawa, M. 00776
.... 02758
.... 05957

Tomizawa, M. 09199
Tomlinson, W.J. 05890
Tomljenovic, J. 04534
Tomov, I.V. 00840
Tomozawa, A. 09574
Tone, M. 09149
Toney, J.G. 07458
Tong, C. 02409
Tongson, L. 00298
Tonkoshkur, A.S. 03559
Tonolini, F. 03508
Tonomura, H. 01956
Tooley, F.A.P. 00905
.... 07725
Toom, P. 01703
Toor, A. 05745
Torabi, A. 01117
Torchin, A.L. 02447
Torchinskaya, T.V. 05682
Torelli, G. 02803
.... 02962
Torgashev, A.S. 08804
Tornberg, J. 00345
Torre, V. 05334
Torrelli, M. 03722
Torrey, D. 04655
Torrey, S.F. 04183
Torrieri, D.J. 06365
.... 09494
.... 09581
Tosco, F. 02926
Toshima, S. 07411
Tosi, N. 02179
.... 03699
Tosima, S. 03529
.... 03530
.... 04345
.... 04346
Tosser, A.J. 06397
Totovski, D.C. 00284
Totsuka, T. 07424
Totto, E.R. 05424
Touhara, H. 00173
Touratier, M. 01046
Tourillon, G. 03938
Tournier, R. 08500
Toutain, J.C. 08567
Touzain, Ph. 03337
Tovar, J.A. 00148
Tove, P.A. 01139
.... 07542
Towbridge, J.H. 08650
Towers, M.S. 04435
Towner, G.C.,III 09419
Townsend, L.W. 02084
Townshend, J.R.G. 00540
.... 03693
.... 07035
Toy, M. 02361
Toya, H. 06566
Toya, M. 01457
Toyabe, T. 09213
Toyama, N. 04856
Toyama, T. 01457
Toyoda, K. 04254
.... 04489
.... 07391
.... 09010
Toyoda, M. 03451
Toyoshima, I. 03905
Trabka, E.A. 09230
Traegner, P. 06717
Trainor, D.W. 05766
Tram, H.N. 05016
.... 06574
Treacy, J.J. 06977
Trebino, F.P. 01940
Tredwell, T.J. 09230
Treece, R.K. 04491
Treen, D.B. 02744
Trefethan, L.N. 03800
Trefler, M. 03663
.... 03664
Trefny, F.J. 06614
Tregub, A.I. 09544
Treinish, L.A. 08691
Tremblay, B. 04918
Tremblay, R. 00853
.... 09047
Trentelman, H.L. 05170
Tresso, E. 07281
Treves, D. 01513
.... 06498
.... 09170
Trew, R.J. 01238
.... 04422
Trew, R.J. 05906
Triboulet, M. 07729
Trick, T.N. 04496
.... 05438
Trietley, H.L. 00254
Triglia, A. 01826
Trikha, C.M. 05511
Trim, M.J.B. 01324
Trimberger, S.M. 07631
Trinh, N.G. 02643
Trinh, T. 01050
Tripathi, A.K. 02503
Tripathi, J.N. 03188
Tripathi, V. 06436
.... 09126
Tripathy, S.C. 06555
Tripp, A.C. 03209
Trischitta, P.R. 01357
.... 01370
Tritchler, W.K. 01309
Trivedi, P.L. 03956
Trivedi, S.S. 06993
Trizna, D.B. 09503
Troeger, G.L. 04434
Trofimenkoff, F.N. 03696
.... 08809
Trofimov, V.S. 08467
Trombetti, A. 08434
Trommer, R. 00771
Tronconi, A. 04694
Tropin, V.V. 03871
Trotsenko, A.V. 06864
Troutman, R.R. 04437
Troutman, W.W. 09266
Trowbridge, C.W. 06402
.... 09161
Troxel, D.E. 03998
Trubachev, A.M. 08460
Trubkin, Yu.A. 06900
Trucker, D.C. 08328
True, R. 06837
Trueman, C.W. 03254
Truleva, I.B. 00249
Truly, R.H. 08612
Trump, D.D. 03420
Truong, T.K. 09291
.... 09499
Trussell, H.J. 09538
Trutt, F.C. 03310
Tryapkina, L.A. 02661
Tsai, C.S. 01335
Tsai, J.S. 00338
.... 01020
Tsai, R.Y. 01535
.... 05724
Tsai, S.-C. 06879
Tsai, W. 01645
Tsai, Z.-T. 02136
Tsal, N.A. 08396
Tsanev., V.I. 08051
Tsang, D.Z. 09006
Tsang, F.Y. 00745
Tsang, L. 05350
Tsang, W.T. 04010
.... 04011
.... 04022
.... 07377
.... 08977
Tsao, C.D. 08726
Tsao, H.-W. 01330
.... 07824
Tsao, J.Y. 04044
.... 09050
Tsao, S.H. 07183
Tsatsaronis, G. 03323
Tsaur, B.-Y. 07603
Tsay, D.Q. 02136
Tschiesche, H. 07858
Tschu, K.-K. 07041
Tsebers, A.O. 08281
Tseng, C.-H. 03992
Tseng, C.-W. 02922
Tseng, F.-I. 04772
.... 04781
Tseng, F.H. 01253
Tsepilov, G.V. 06839
Tserng, H.Q. 08071
.... 08802
Tsikin, B.B. 01892
Tsimring, Sh.E. 06424
Tsirlin, B.S. 00682
.... 04469
Tsirlin, Yu.A. 08510
Tsironis, C. 08072
Tsividis, Y. 00662
.... 04411
Tsividis, Y. 05455
.... 05485
.... 05946
Tsividis, Y.P. 05493
.... 05496
Tslaf, A.L. 00721
Tsoi, G.M. 04122
Tsotsos, J.K. 05717
Tsuboi, H. 02476
.... 06516
Tsuboi, M. 02624
Tsuboi, Y. 02529
Tsubokawa, M. 04036
Tsubono, K. 09148
Tsuchida, H. 02592
.... 02593
.... 04009
.... 05760
Tsuchio, T. 03350
Tsuchiya, K. 04195
Tsuchiya, S. 07424
Tsuchiya, T. 07131
Tsuda, H. 08205
Tsuda, S. 00790
Tsuda, Y. 01960
Tsuei, Y.-C. 08625
Tsuge, H. 07447
Tsui, Y.T. 00136
.... 04918
Tsuji, H. 04232
.... 04253
.... 04264
.... 04269
Tsuji, M. 01062
.... 08075
Tsuji, S. 00405
Tsuji, T. 00685
.... 01856
.... 03851
.... 04508
.... 09379
Tsujide, T. 04478
Tsujii, H. 04436
Tsujimoto, K. 00094
Tsujimoto, Y. 08466
Tsujiyama, B. 07608
Tsukada, T. 09280
Tsukamoto, J. 04905
Tsukamoto, K. 02867
.... 09433
Tsukamoto, O. 04158
.... 04192
Tsukiyama, S. 02842
Tsukizaki, Y. 03888
Tsukui, K. 00739
Tsuo, Y.S. 06748
Tsutaki, K. 08828
Tsutsumi, K. 02806
Tsuyuki, H. 08063
Tsuzuku, T. 05563
Tsvetyanskii, V.L. 02648
Tsvyk, A.I. 01699
Tsyganok, Yu.I. 03836
Tsyvinskii, V.G. 01875
Tu, C.H. 05169
Tu, C.W. 03940
Tu, S. 06390
.... 08817
Tual, J.-P. 07529
Tubik, A.A. 02457
Tucciarone, A. 05809
Tuccio, M.A. 04728
Tucker, C.J. 07035
Tucker, R.S. 00963
.... 07584
.... 09115
Tueckmantel, J. 04057
Tueta, R.J. 00818
Tufts, D.W. 07903
Tugcu, A.K. 05224
Tuggle, D. 02858
Tugnait, J.K. 03574
Tuller, H.L. 08376
Tully, J.W. 00693
Tulman, R. 00186
Tuma, D.T. 06791
Tumanski, S. 07518
Tummillo, A. 01803
Tuomala, M. 00442
Tur-Kaspa, Y. 00423
Turanli, H.M. 06593
Turchetti, C. 04411
.... 07591
Turck, B. 04199
.... 04212
Turkot, F. 04255
Turnbull, F.G. 056
Turnbull, P.G. 081
Turner, B. 022
Turner, B.J. 022
Turner, G.W. 076
Turner, L.E. 037
Turner, L.R. 034
.... 041
.... 067
.... 067
Turner, M. 066
Turner, M.R. 053
Turner, P.F. 036
Turner, R.M. 031
Turner, W.D. 073
Turns, S.R. 050
Turovets, S.I. 042
Tursky, W. 011
Tursunov, D.A. 0509
Tutter, M. 0720
.... 0757
Tverdostup, N.I. 0683
Tveten, A.B. 0085
Tvirova, E.A. 0730
Tward, E. 0405
Twardowski, A. 0084
Tweig, N.T. 0660
Twogood, R.E. 0257
Twomey, P. 0618
Twomey, T.A.M. 0667
Tyapukhin, P.V. 0269
.... 0720
Tylavsky, D.J. 0331
.... 0670
Tylee, J.L. 0334
Tyler, G. 0304
Tyler, J.U. 0560
Tyler, M. 0375
Tyran, J. 0832
Tyraskis, P.A. 0216
.... 0217
Tyson, J. 0301
Tyul'kin, V.M. 0593
Tyupa, V.I. 0722
Tyurin, S.A. 0914
Tyurin, V.A. 0504
Tzafestas, S.G. 0522
Tzeng, F.T. 0797
Tziritas, G. 0793
Tzou, K.-H. 0317

Uber, A.E. 05083
Uber, A.E.,III 00001
Uchida, K. 04315
Uchida, M. 05957
Uchida, N. 06139
Uchida, R. 01689
Uchida, T. 04228
Uchida, Y. 03486
.... 07629
.... 09200
.... 09233
Uchikawa, Y. 07659
Uchino, K. 05851
Uda, H. 05621
.... 05622
.... 05623
.... 07282
Uda, S. 06676
.... 06759
Uda, Y. 09421
Udd, E. 07749
Udupa, J.K. 00510
Ueda, D. 07613
Ueda, F. 02529
Ueda, H. 07812
Ueda, K. 04284
Ueda, R. 06538
Uehira, K. 04406
Ueki, A. 01325
Uemura, C. 01228
Uenishi, K. 08478
Ueno, F. 00681
.... 02416
Ueno, M. 08116
Ueno, N. 06566
Ueno, S. 02203
.... 02208
Uenoyama, T. 04436
Ueoka, Y. 09265
Uesugi, N. 09368
Ueyanagi, K. 09234
Uhm, H.S. 01057
Ukhlinov, G.A. 05035
Ul'yanov, K.N. 06641

Ula, A.H.M.S. 03293
Ulaby, F.T. 03220
04724
Ulbricht, K.A. 05368
08652
Ule, M. 02885
Ulick, T. 02284
Ullman, F.G. 09174
Ullman, J. 06050
07621
Ulman, M. 04999
Ulmet, J.P. 07717
Ulrich, W. 09448
Ulrych, G. 07440
Umans, S.D. 04880
Umashankar, K. 07876
Umbaugh, L.D. 02883
Umeda, T. 01768
Umetani, Y. 08570
Umezawa, K. 00328
Umoto, J. 01789
Un, C.K. 01481
02366
04693
06271
07986
Unagami, T. 07608
Unbehauen, R. 08748
Underwood, D.C. 04132
Ungar, S. 01900
Unger, B. 09263
Unger, H.-G. 01931
Ungrad, H. 08240
08369
Unkel, W. 00161
01788
04969
Unno, H. 07670
Uno, T. 07203
Unser, M. 07891
Untergutsch, U. 05722
Unternahrer, J. 05752
Unz, H. 00029
Uoya, S. 04487
Uppal, G.S. 08049
Upstill, C. 00844
Upton, H.W. 05246
Upton, R. 09483
Urabe, S. 08980
Urbach, J.C. 02605
Urban, M. 05587
Uria, E.G. 01811
Uribe, R.M. 03910
Urisu, T. 00807
Urquhart, J.S. 07217
Ury, I. 08909
09220
Uryvskii, Yu.I. 06786
Usagawa, T. 09234
Usami, A. 00778
08879
Ushakov, V.M. 08033
Ushida, A. 08791
Ushitani, S. 07042
Ushomirsky, M.S. 04160
Uskov, V.L. 02414
Usmani, A. 07103
Uspenskii, A.A. 09153
Uspenskii, B.A. 03230
Ustinov, V.M. 08421
Usui, A. 00960
Utaka, K. 05755
Utaka, Y. 01836
03350
Uthe, E.E. 02171
Utsumi, Y. 07805
Utsunomiya, K. 02947
Utz, P. 09377
Uusimaeki, A. 08375

Vabre, M. 04512
Vacca, J. 09430
Vaccari, C. 02260
Vaccarone, R. 04138
Vachula, G.M. 01524
Vadla, C. 07317
Vaes, H.M. 04362
Vago, I. 04751
Vagvoelgyi, J. 00754
Vahldieck, R. 03798
07490
Vahle, M.O. 07999
Vahrenkamp, R. 03750
04459
06016
Vaidyan, M.V. 03406
Vaidyanathan, K.V. 01161
Vaidyanathan, P.P. 05459
07138
Vaillancourt, G.H. 01916
Vaillancourt, R. 09171
Vainberg, E.I. 05706
Vainberg, I.A. 08659
Vainberg, M.Y. 01035
Vainberg, V.V. 00247
Vainshtein, D.I. 01957
Vainshtok, I.I. 00336
Vaisey, D.J. 02351
Vaishnav, R.N. 05129
Vajda, I. 07953
Vajdic, B. 07571
Vakar, O.M. 06747
Vakil, S.M. 07144
Val, C.M. 02703
Valdoni, F. 07856
Valentich, J. 02788
Valentin, M. 09120
Valentine, R.D. 08161
Valenzuela, G.R. 00563
02276
Valerio, C.V. 08093
Valero, M. 05398
Valiant, L.G. 02300
Valiev, K.A. 02545
Valla, M.I. 07581
Valley, C.R. 08876
Valois, A.J. 02770
Valotaire, J.R. 02643
Valster, A. 00952
Van Albada, G.D. 07069
Van Ardenne, A. 01393
Van Blaricum, G.F. 06302
Van Bouwelen, C. 04533
Van Brocklin, S.T. 05269
Van Cauwenberghe, A.R. 05192
Van Cutsem, T. 01859
Van de Grift, R.E.J. 08832
Van de Klundert, L.J.M. 04288
04293
Van de Plassche, R.J. 05520
05538
08832
Van de Walle, C. 02500
Van de Wiele, F. 01183
02513
Van de Woestijne, K.P. 07012
Van den Avyle, J.A. 02480
Van den Berg, P.M. 03207
05340
Van den Bosch, A. 04213
Van den Bosch, P.P.J. 06682
Van den Bossche, L. 08795
Van den Hamer, P. 02615
05797
Van der Broeck, H.W. 08157
Van der Graff, F. 07463
Van der Hulst, J.M. 07069
Van der Klauw, C.L.M. 06036
Van der Laan, P.C.T. 00147
Van der Spiegel, J. 04445
04498
Van der Torre, D. 00445
Van der Ziel, A. 00296
01172
01174
01209
01212
01231
02730
02757
03895
07607
07610
09192
Van der Ziel, J.P. 05756
Van Dooren, J.P. 07714
Van Dorth, A.C. 07463
Van Dover, R.B. 04203
Van Driel, M.A. 05595
Van Duzer, T. 04064
04080
04382
Van Dyk, J. 02163
Van Esdonk, J. 00736
Van Geert, E. 08156
Van Goor, F.A. 07400
Van Gunten, O. 01154
Van Haesendonck, C. 01026
Van Harlingen, D.J. 04157
Van Haute, A. 08330
Van Heereveld, A.A.M.T. 02516
Van Heeswijk, R.G. 00117
Van Herpt, L.W.A. 04687
Van Hook, A. 03482
Van Hove, P.L. 03134
Van Kessel, C.G.M. 05039
05128
Van Meer, A.C.P. 07120
Van Meerbergen, J.L. 04505
Van Mierhaeghe, R.L. 02713
Van Muoi, T. 09390
Van Niekerk, J.D. 04942
Van Nieuwenhuyzen, G.J. 04097
Van Oost, G. 06675
Van Opdorp, C. 08901
Van Overstraeten, R. 02499
07271
Van Patten, R.E. 02874
Van Peteghem, A.P. 01926
Van Putten, A.F.P. 06866
Van Ryswyk, H. 03954
Van Tol, M.W. 00736
Van Valkenburg, M.E. 07162
08733
Van Vuuren, J. 08386
Van Wees, A.C.A. 04196
Van Welij, J.S. 06755
Van Willigen, D. 09491
Van Winsum, J.A. 05876
Van Wyk, F.J. 04505
Van Wyk, J.D. 04942
08157
Van Zee, J. 01795
Van Zee, M.E. 00274
Vandamme, L.K.J. 01142
Vandello, R.E. 08219
Vandeloo, P. 01070
Vandendriessche, L. 08877
Vander Donckt, E. 05641
VanderLugt, A. 07290
07328
Vandervelde, W.F. 08595
Vanderwert, T.L. 05068
VanDeursen, H. 09326
Vandewalle, J. 00664
08739
Vanhoecke, E. 05652
Vanhove, L. 04692
Vanier, G.R. 04339
Vanka, S.P. 00160
Vannay, R. 04529
Vannicola, V.C. 01557
VanSant, J.H. 07450
07453
Vanzi, M. 01236
03824
Varadan, V.V. 03250
Varaden, V.K. 03250
Varahramyan, K. 09183
Varaiya, P.P. 08251
Varaprasad, V.S. 06443
Vardidze, E.V. 06889
Varik, V.I. 08325
Varker, C.J. 05573
Varley, R.F. 03255
08114
Varshavskii, V.I. 04469
Varshavskiy, V.I. 00682
Varshney, P.K. 01557
07994
Vary, A. 00331
Vas, P. 06534
Vasanth, B.J. 03292
Vasenko, S.A. 04231
Vashistha, R.D. 03727
Vasi, J. 00729
02478
Vasil'ev, A.M. 01983
Vasil'ev, B.I. 08969
Vasil'ev, E.N. 06435
Vasilev, L.V. 00215
Vasiliu, V. 09008
Vasin, B.L. 06635
Vasnin, G.M. 02487
Vasquez-Espinosa, R.E. 04045
Vass, E. 05961
Vassileva, T.K. 03810
Vassos, S. 03316
08241
Vastola, K.S. 00391
01538
06312
06316
07988
Vasudev, P.K. 09186
Vasudevan, K. 01669
Vatalaro, F. 07863
Vatalaro, F. 09547
Vaterkowski, J.L. 03921
Vatutin, V.M. 06049
Vaucher, A.M. 07480
Vaughan, A.H. 03759
Vavilov, S.P. 03455
Vazirani, D. 03198
Veca, G.M. 01725
07448
Vecchi, M.P. 02809
Vecellio, B. 00134
Vecerek, B.F. 08794
Vecsey, G. 04054
04198
04229
Vedel, J. 00777
03937
05657
Veendrick, H.J.M. 02957
Vehar, D.W. 02777
Veitch, J.G. 04732
Veith, R. 03513
Velayudhan, C. 03406
04328
Velazquez, R. 00096
01922
06583
Veler, J.C. 04462
04512
Velghe, M.F. 00917
Velichkov, B.G. 03810
Veliev, E.I. 04326
Velikov, L.V. 02545
Vella-Coleiro, G.P. 04239
Vellante, M. 03703
Velten, H.W. 08607
Venetsanopoulos, A.N. 03663
03664
03791
07135
Vengurlekar, A.S. 05960
Venkata, S.S. 04925
04926
Venkatachalam, P.N. 06082
Venkateswaran, P.R. 07720
07750
Venkateswaran, S. 02396
Venkatramani, N. 06626
Verber, C.M. 04551
Verdeyen, J.T. 07360
Vergun, I.I. 08325
Verhoeckx, N.A.M. 07124
Verhoeven, J.D. 04100
Veringa, H. 04196
Verite, J.C. 06751
Verity, J.W. 04595
Verkroost, G. 07120
07132
Verlinden, P. 02513
Verma, P.D.S. 05129
Verma, R.L. 01447
Verma, S.P. 03290
Verma, V. 06591
Vermeer, A. 07721
Vermeulen, F.E. 00002
05813
Vernet, G. 00059
05534
Vernia, C. 03876
Vernimb, C. 06235
Verona, E. 01986
05698
Veroy, B.S. 04643
Verret, D.P. 05915
Vertii, A.A. 04326
06477
Verwey, J.F. 04441
Vesecky, J.F. 09500
Veselova, G.V. 00377
Vespoli, J.B. 02901
Vest, K.F. 04561
Vest, R.W. 05569
Vetelino, J.F. 01987
Vetter, A.A. 00167
Viarouge, P. 03276
Viatchanin, S.P. 04184
Vicini, P. 06111
Vicino, A. 08773
Victorey, J.P. 05953
Vidmar, P.J. 03708
Vidyasagar, V. 07109
Vierath, D.R. 01773
Vighnesam, N.V. 08290
Vigil, M.C. 02356
Vijayakumar, P.S. 09184
Vijayaraghavan, A. 06792

Viktorov, L.V. 02008
Viktorovitch, P. 01150
Vil'kotskiy, M.A. 01662
Vilar, E. 08001
Vilardell, J. 01316
Vilcans, J. 07857
Vilisov, A.A. 01141
Villa, G. 01744
Villain, J. 08385
Villante, U. 03703
Villarruel, C.A. 09361
Villatoro, J. 00148
Villegier, J.C. 04172
04462
04512
Villena, F. 03313
Vilnrotter, V.A. 09578
Vincent, C.L. 02270
Vincent, D. 00972
Vincent, P. 04323
Vincent, R. 02150
Vinck, A.J. 07968
Vinogradov, A.L. 00998
Vinogradskaya, T.M. 08517
Vinson, J.E. 06001
Viollier, M. 00560
Virdee, K.S. 04599
Virk, H.S. 03562
Virupakshia, A.R. 01254
Viscardi, R. 02963
Vishen, A. 05651
Vismor, T.D. 05009
Visvanathan, V. 08771
Viswanathan, B. 05819
Viswanathan, R. 01299
Vitale, G. 01179
07614
Vitanov, P. 09247
Vitanov, T. 04972
Vitel's, G.L. 06314
Vitello, P. 07342
Vithayathil, J. 06522
Vitorovic, D. 05855
Vittal, V. 06608
Vityazev, V.V. 02399
Vitz, R.C. 04339
Viviani, A. 04806
06511
06679
Viviani, G.L. 08348
Viviani, R. 04806
Vizot, J. 04402
Vlach, J. 08792
Vlach, M. 08792
Vladimirescu, A. 06051
Vladimirskii, N.V. 06900
Vlasov, A.B. 07543
Vlasov, L.V. 08439
08440
08864
Vlasova, N.A. 06897
Vlcek, J.C. 05936
Vodovatov, I.A. 06855
Vodovozov, A.M. 00696
Voegele, H. 00081
Voevodin, M.A. 08508
Vogel, H. 06466
Vogel, H.F. 06824
Vogel, R.F. 03543
Vogel, W.J. 02890
08124
Vogelzang, E. 02516
Vogt, H. 01671
01798
02863
Voinakov, S.M. 08610
Voitovich, I.D. 04173
Voitsekhovskii, A.V. 05897
Vojak, B.A. 02729
09203
Vojtko, J. 00063
Volakis, J.L. 06303
Volkers, J.C. 00224
Volkov, B.I. 04343
Volkov, V.I. 08508
Vollmann, W. 02143
Volovik, V.D. 06839
Volyak, K.I. 06440
07871
Volynskii, M.B. 04446
07655
Von Bergmann, H.M. 02644
Von Conta, C. 02292
Von Gruenigen, D.C. 05452
Von Kalben, J. 05673
Von Ommering, G. 02099
Von Ramm, O.T. 05298
Von Roos, O. 02520
Von Vignau, R.A. 06129
Von Wandruszka, R. 00370
Von Winterfeld, C. 06487
Vonder Haar, T.H. 07061
Vonderohe, A.P. 02259
Vook, R.W. 00374
Voorman, J.O. 01421
05441
Voorthuyzen, J.A. 07597
Vorhaus, L. 05524
Vorob'ev, A.A. 08467
Vorob'ev, G.Z. 01699
Vorobkalo, F.M. 00247
Voronkov, M.E. 08327
Voronova, M.T. 08481
Voshchenkov, A.M. 05978
Voskoboinikov, A.M. 02689
Voss, G. 08191
Voss, H.-J. 02750
Vowinkel, B. 03439
Vozoff, K. 03467
Vromans, J.S. 01421
Vroomen, L.J. 02014
Vu, T.H. 01731
Vu, T.T. 07639
09253
Vucetich, H. 09095
Vuillemin, J.E. 01247
Vujnovic, V. 07317
Vukobratovic, M. 02037
03600
05179
08552
Vuong, X.T. 04607
Vurlod, P. 04792
Vvedenkii, Yu.V. 08429
Vyat-Skov, I.A. 06852
Vyatkin, A.P. 09194
Vyshlov, A.S. 08609
Vystavkin, A.N. 04098

Waag, R.C. 03665
05297
Wach, W. 01256
Wachal, R.W. 04953
Wachi, Y. 04228
Wachters, A.J.H. 04362
06755
Wacker, G. 01870
05014
Wackerman, C.C. 09501
Wada, I. 03492
Wada, M. 00947
04360
05505
Wada, O. 00769
02704
07376
Wada, T. 04406
04442
06797
Wada, Y. 02937
02960
04084
Waddington, F.B. 00090
Wade, C.A. 00120
Wade, G. 07329
08484
Wade, G.J. 02139
Wade, H. 04195
Wade, W.D. 07823
Wadepuhl, M. 05326
Wadsworth, D.V.Z. 02110
Wagemann, H.G. 02748
Wager, J.F. 00785
01229
Wagers, R.S. 05122
Wagner, H. 02329
Wagner, H.L. 02202
Wagner, L.F. 05916
Wagner, R.F. 00514
00516
02142
06997
Wagner, R.S. 03922
Wagner, S. 01165
Wahab, A.A. 01270
Wahl, D. 00371
Wahl, G. 04099
Wahl, L.E. 02349
Waibel, A. 06273
Wait, J.R. 02187
03218
Wakanoto, K. 04275
Wakata, M. 04275
Wake, M. 04195
Wakeley, K. 04874
Waki, T. 01326
Wakino, K. 07493
Walach, E. 08111
Wald, F.V. 05624
Wald, L. 00565
Wald, L.D. 01507
Walden, J.P. 02749
Waldow, P. 02653
Waldron, K.J. 02052
Waldron, M. 08357
Waldvogel, A. 03723
Walker, A. 01297
Walker, C.F. 03379
Walker, D.L. 04143
Walker, G.H. 05619
Walker, J.G. 00844
Walker, J.S. 05132
Walker, N. 03976
Walker, R.A.P. 04991
Walker, R.J. 01115
Walker, T.P. 07118
Walker, W.F. 04772
Walkup, J.F. 07325
Wall, D.L. 06706
Wall, J.E.,Jr. 02077
Wall, W.A. 00388
Wallace, E.J. 04132
Wallace, J.P. 05068
Wallace, R.J. 00009
Wallace, R.L. 06109
Walldorf, S.P. 01740
Waller, D.L. 02869
Wallington, C. 06153
Wallis, R.F. 03221
Walls, D.F. 00017
00888
Wallschlaeger, W.H. 04339
Walmsley, D.G. 09204
Walpole, J.N. 09006
Walsh, R.D. 04276
Walstrom, P.L. 04190
Walter, B. 05749
Walter, G. 02923
Walter, G.O. 05426
06211
Walter, R.A. 06686
Walters, C.R. 04202
Walters, D.W. 08732
Walters, N.M. 03695
Walton, A.J. 08764
Waltz, D.L. 00441
Wambacq, J. 00119
Wambersie, A. 02134
Wamser, R.J. 08247
Wan, C.C. 08305
Wan, S.H. 06685
Wanagel, J. 05557
Wanchoo, L. 03687
Wanchoo, S. 06184
Wandinger, L. 04834
Wands, R. 04129
Wang, B.-L. 03433
Wang, B.P. 05250
Wang, C.-C. 07769
Wang, C.C. 03189
09569
Wang, C.D. 05705
Wang, C.T. 01215
01222
Wang, D.Y. 00735
Wang, E.C. 03659
Wang, F.-C. 07599
Wang, F.X. 00068
Wang, G. 09028
Wang, H.-L. 03234
Wang, J. 06482
Wang, J.-K. 06849
Wang, J.H.S. 08405
08967
Wang, J.J.H. 01618
04844
Wang, J.R. 03240
Wang, J.W. 08244
Wang, K.-H. 01790
Wang, K.L. 04391
Wang, L. 09473
Wang, M. 09473
Wang, N. 05774
Wang, N.N. 02438
Wang, P. 03433
Wang, P.K.C. 00054
Wang, R.F. 00106
Wang, R.H. 0410
Wang, S. 0738
0917
Wang, S.-L. 0412
Wang, S.-M. 0737
Wang, S.-Y. 0501
Wang, S.J. 0593
0811
Wang, S.T. 0414
0418
0745
Wang, S.Y. 0726
0861
Wang, T.C. 0407
Wang, X. 001
048
Wang, Y.-M. 079
Wang, Y.Y. 083
Wannamaker, B. 037
Wanuga, S. 059
Wanzhi, Z. 089
Ward, A.A. 0904
Ward, A.T. 0151
Ward, B.K. 0354
Ward, D.J. 0818
Warde, C. 0729
Wardrop, A.J. 0869
Wardrop, B. 0152
Ware, B.J. 0177
Ware, H. 0289
Ware, K.D. 0190
0388
Warkentin, P.A. 0448
Warmack, R.J. 0508
Warminski, T. 0079
Warner, I.M. 0193
Warner, R.M. 0281
0754
Warner, R.M.,Jr. 0021
Warpenburg, M.R. 0570
Warren, A.D. 0087
Warren, R.W. 0092
Warrier, R.R. 0140
Warshawsky, A. 0232
Wartmann, R. 0566
Wascat, J. 00912
Washburn, H. 0435
Washington, M.A. 04221
Wasielewski, M.R. 03441
Waskiewicz, J. 00458
Wassenaar, R.F. 09264
Wasserbauer, C.A. 05102
Wasserman, B. 00812
Wasynczuk, O. 01812
Watakabe, Y. 02867
02872
Watanabe, A. 00196
Watanabe, D.S. 04416
Watanabe, H. 04482
06008
07159
Watanabe, I. 03889
Watanabe, K. 00790
03003
07411
08853
Watanabe, M. 07971
Watanabe, N. 00173
05976
Watanabe, S. 00949
01195
Watanabe, T. 03567
03674
04478
06126
07288
Watanabe, Y. 01748
06587
Waterman, P.J. 09323
Waters, S.S. 03279
Watkins, E.T. 01898
Watkins, J.G. 00302
Watkins, P.R. 02559
Watson, A. 02214
Watson, E.F. 08549
Watson, J. 03544
05494
Watson, K. 08662
Watson, L.T. 07952
Watson, M. 09486
Watson, W. 04670
Watt, F. 03968
Watt, J.T. 03696
Watt, T.L. 05456
Wattenbach, R. 09019
Watts, D.R. 08684

k, S.J. 03391
M. 04334
aan, A.M. 05713
D.E. 04622
n, P. 07410
nerby, V. 03579
er, R.E. 02113
er, W.R. 04996
08982
08987
ing, K. 01426
b, G.K. 02974
b, G.P. 03730
b, K. 09110
b, R.P. 01727
04903
ber, J.B. 04276
ber, R.G. 06564
er, C.L. 09584
09585
er, E. 07440
er, N. 07085
ore, J.F. 01864
ore, P.C. 01107
os, A. 01085
oster, C.R. 07348
oster, J.G. 03835
05504
dam, W.F. 02952
dekind, G.L. 02669
eden, D.A.,Jr. 03398
edy, B.M. 04919
07243
08273
eks, R.W. 05425
egelin, V. 03387
egener, H.A.R. 04500
eger, M. 00030
eggel, R.J. 04141
egner, H.E. 08231
hlage, P.G. 03311
hman, T.C. 01115
ei, C. 08062
ei, I.-Y. 03886
ei, L.Y. 02140
eigel, J.P. 02159
eil, C.M. 00512
08065
eiland, T. 06725
eimann, G. 04394
einberg, A. 07790
einer, H. 02013
eingarten, W. 04057
04116
Weinhardt, M. 04870
Weinstein, A.I. 00575
Weinstein, C.J. 07845
Weinstein, D.G. 01076
Weinstein, E. 06320
Weinstein, S.B. 09445
Weisinger, W.S.,Jr. 06987
Weisman, H. 03675
Weiss, B.L. 06438
Weiss, C.O. 09195
Weiss, H.M. 00760
Weiss, H.W. 03278
Weiss, J. 06806
Weiss, M. 06905
Weiss, M.R. 03082
Weiss, R.S. 01820
Weissenburger, D.W. 05066
06766
Weisshaar, T.A. 05253
Weissman, D.E. 08670
Weissman, S.B. 06134
Weisswange, P. 00069
Weitzen, J.A. 06222
Weizer, V.G. 08339
Welbourn, C. 00318
Welch, B.M. 02834
Welch, L.R. 08789
Welch, R. 08646
Welch, W.J. 04710
Weldon, D.M. 04289
Welford, D. 00966
Wellegehausen, B. 00971
Wellekens, C.J. 02380
Weller, J.F. 08080
Wells, N.C. 04713
Wells, R. 01970
Welsch, D.G. 09111
Welt, J.D. 00496
Welter, R. 04547
Wen, W. 03316
Weng, K.C.K. 00337
Wenham, S.R. 03935
Wenham, S.R. 05617
Wennerstrom, C.H. 06541
Wenniger, B. 05544
Wentz, E.C. 01874
Werbickas, J.C. 06007
Werler, K.H. 03568
Werner, G. 04877
Werner, R. 02903
Wernicke, R. 05574
Werthimer, D. 05056
Wessel, S. 00803
Wesselink, G.A. 03959
Wessels, B.W. 01134
West, J.L. 05420
West, N. 08651
West, P.C. 03990
West, P.R. 06083
Westenbroek, C.J.A. 05865
Westerlin, V. 07913
Weston, R.H. 05198
Westphal, L.C. 01554
Westphal, R.V. 08488
Westwig, R.A. 07772
Wetmore, R.D. 03106
Wetterwald, M.J. 03330
Wewer, K. 03767
Wewerinke, P.H. 05216
Wey, C.-L. 06057
Weymouth, T.E. 05708
Weymuth, P. 04054
04198
04229
Whaling, W. 08857
Wharton, L. 02280
Wheaton, L.B. 07178
Wheeler, H.A. 04851
Whelan, D.A. 00034
Whelchel, C.J. 08898
Whelehan, J. 05518
Whieldon, D. 00591
00594
02289
Whistler, W. 02906
Whitbourn, L.B. 06469
06506
06727
White, A.M. 08409
White, B.E. 00481
03652
White, B.F. 08685
White, B.R. 07759
White, C.E. 01435
02878
09325
White, C.E.,Jr. 02291
White, D.C. 00442
White, G.A. 06543
White, J.C. 05744
05750
White, J.C.F. 03265
White, J.E. 06224
White, L.K. 05265
White, M.H. 05951
White, P.J. 06720
White, R. 09492
White, R.E. 01795
White, W. 03899
Whitehead, D.C. 01997
Whitehead, J.F. 09472
Whitehead, V.S. 02227
02236
Whitehouse, C.R. 01226
Whiteley, S.R. 00299
Whitfield, J.D. 05573
Whiting, F. 02105
02113
Whitley, J.H. 03886
Whitnell, J. 04463
Whitney, W.T. 07401
Whittington, H.W. 05071
Whittley, S.T. 00920
Whyte, I.A. 08174
Wickersheim, K.A. 03414
06714
Wickershen, K.A. 06569
Wickesberg, R.E. 09523
Wickramesekara, M.G. 03273
Wicks, F.E. 00078
06681
Widlewski, H. 01411
Widmer, A.X. 09341
Widmer, R. 02860
Wieder, H.H. 09251
Wiedmann, S.K. 04488
09283
Wiehl, H.J. 05059
Wielunski, L. 06722
Wienski, R.M. 04664
Wierer, P.G. 07416
Wiesenfeld, J.M. 09362
Wieser, J.B. 03847
Wiesmann, H. 00787
Wiesner, J.C. 05892
Wiggins, K. 04132
Wigglesworth, M.J. 09018
Wilamowski, B.M. 01146
02734
Wilbur, J. 01867
Wilbur, P.J. 02106
Wilcox, J.Z. 04053
Wilcox, M. 05454
Wild, P.J. 04634
Wild, R.N. 02789
Wild, W.J. 05302
Wilder, J. 02574
Wildmann, D. 05887
07398
Wilfley, B.P. 07442
Wilgen, J.B. 06634
Wilheit, T.T.,Jr. 03706
Wilhemsen, F. 08803
Wilkens, H. 06205
Wilking, S.V. 02317
Wilkins, B. 03064
06238
Wilkins, D.R. 02745
Wilkinson, D. 00395
Wilkinson, G.L. 01323
Wilks, A.R. 04732
Will, B. 07651
Willard, M. 02183
Willems, J.C. 05170
Willett, F.M.,Jr. 00468
Willetts, D.V. 00977
Williams, C.K. 01109
01132
Williams, G.F. 09466
Williams, G.J. 00474
Williams, H. 06202
Williams, J.A. 00125
06571
Williams, J.E.C. 00170
04141
Williams, J.G. 00380
Williams, J.T. 07449
Williams, M.W. 00375
Williams, P.D.L. 07869
Williams, P.F. 06640
Williams, P.M. 00576
Williams, S. 03597
03675
Williamson, A.G. 00060
01044
01090
Williamson, D. 00646
02364
Williamson, M.A. 06072
Williamson, M.P. 03557
Williamson, R.C. 04635
Williamson, R.L. 01369
Williamson, S.J. 04113
Willis, H.L. 01860
03317
05009
05016
06574
06688
06706
Willison, M.R. 03935
Willoughby, R.A. 04962
Willoughby, R.D. 03279
Willsky, A.S. 04767
Willson, A.N.,Jr. 03809
07117
Willson, J.D. 03309
Willson, R.F. 01507
Wilmore, J.A. 01263
Wilmsen, C.W. 01229
Wilreker, V.F. 04893
Wilson, C.I. 04417
Wilson, C.L. 02747
07586
Wilson, D.R. 06628
Wilson, G. 02428
Wilson, J.D. 01549
Wilson, J.G. 05071
Wilson, J.H. 06844
Wilson, J.I.B. 03930
04043
Wilson, J.S. 07202
Wilson, J.W. 05619
07279
Wilson, J.W. 08982
Wilson, L.A. 07161
Wilson, M.N. 04202
Wilson, P. 02193
Wilson, P.F. 09088
Wilson, R.A. 07640
Wilson, R.E. 04903
Wilson, S.B. 03445
03450
Wilson, S.G. 06373
Wilson, T. 08917
Wilson, T.G. 02417
05484
Wilson, W.J. 01872
06731
Wilson, W.S. 00564
Wilson, W.T. 09477
Wilt, D.P. 05762
07374
Wilton, D.R. 04807
08127
Wiltshire, B. 02468
07234
Wimberly, F.C. 05714
Wimmer, M. 00137
Winch, R.G. 03856
Windsor, R.M. 05271
Wineland, D.J. 06869
Winer, B.M. 06708
Wing, L.D. 02098
Wing, O. 05493
05496
Wing, W.H. 07341
Wingrove, R.C. 06947
Winkler, S.S. 00509
Winn, C. 08673
Winokur, M. 06696
Winsor, N.K. 06963
Winston, J.G. 00921
Winter, B.B. 03835
05504
Winter, C.F. 01659
Winters, J.H. 07975
Winzer, G. 01332
09350
Wires, G. 08895
Wirth, E. 01845
08258
08345
Wirth, P. 05767
Wise, G.L. 02371
03151
07906
Wise, K.D. 02771
09229
Wiskott, D. 01672
Wisniewski, J.A. 05998
Wisoff, P.J.K. 08928
Witherington, J.D. 06089
Withers, C.E. 04930
Withers, R.S. 04056
04059
04744
08475
09055
Witt, M. 04722
Witteman, W.J. 07400
Witten, I.H. 07959
Witters, J. 05046
Wittich, K.-P. 05376
Wittke, P.H. 06378
Wittman, P.K. 02588
Wittmer, M. 02832
Wodyka, R.A. 03309
Woermbke, J. 02640
Wohlfarth, E.P. 05873
Wohlleben, R. 04857
06503
Wohltjen, H. 02002
Wohlwend, J.W. 06834
Wojciechowski, J. 05679
Wojczynski, E. 01870
05014
Wolf, C.J. 03891
05548
Wolf, M. 05643
08332
Wolf, M.A. 05643
Wolf, P.R. 02233
Wolf, T.D. 05261
Wolfe, J. 02924
Wolff, I. 02653
09126
Wolff, S. 04136
Wolgast, R.C. 04179
04205

Wollan, J.J. 04258
04289
Wollenberg, B.F. 06614
06705
Wolowodiuk, C. 04407
Wolsheimer, E.A. 06036
Wolter, J.D. 08571
Wong, C.-P. 06084
Wong, C.K. 01403
02796
Wong, C.M. 05079
Wong, D.Y. 07854
Wong, E.C. 02091
Wong, H.C.K. 09264
Wong, J. 04181
Wong, J.L. 04854
Wong, J.W. 04579
07849
Wong, K.M. 04642
Wong, K.N. 09266
Wong, K.P. 07465
Wong, K.V. 01824
Wong, K.Y. 05703
08905
Wong, R.H. 08184
Wong, R.L.M. 00469
Wong, R.Y. 01501
Wong, S.S. 09250
Woo, B. 03742
Woo, B.J. 01253
Woo, L.S. 05928
Woo, T.C. 08571
Wood, A.J. 06571
06705
Wood, L.J. 05265
Wood, L.L. 01531
Wood, R. 06639
07783
Woodard, D.P.,Jr. 07472
Woodard, J.P. 04682
Woodcock, C.E. 02241
Woodford, D.A. 06593
06609
Woods, J.W. 00637
02383
02392
Woods, M.J. 00756
00761
Woodside, C.M. 06240
Woodward, J. 01226
Woodward, L.L.,Jr. 01904
Woodward, M. 00584
Woodward, O.M. 03470
04350
Woodworth, W. 05318
Woody, D.P. 04710
Woolery, B.J. 09097
Wooley, B.A. 05978
Woolf, A. 05097
Woolfenden, J.M. 05302
Woollam, J.A. 05563
09185
Worchesky, T.L. 03561
Wordeman, M.R. 01234
09231
Worm, S.B. 08074
08088
Worsley, R. 03577
06906
Wortendyke, D.R. 01419
01639
Wortman, A. 04859
Wortman, J.J. 09206
Wotherspoon, J.T.M. 08409
Wouters, J. 07507
Wozny, M.J. 02298
Wraight, E.P. 00521
Wray, B. 05404
Wright, A.J. 00433
Wright, B.A. 01461
Wright, B.D. 08099
08100
Wright, P.D. 09024
Wright, P.J. 00816
Wright, P.V. 04056
04059
09055
Wright, R. 02222
02235
Wright, S. 07742
Wrigley, A. 08521
Wrigley, R.C. 05349
05351
Wrobel, T.F. 04429
04476
Wu Lee, S. 08133
Wu, A.Y. 05704
08218
Wu, C.-C. 00338
Wu, C.-L. 06203
Wu, C.-Y. 04383
04387
04419
Wu, C.J. 04900
Wu, C.S. 07298
Wu, C.Y. 00725
02759
Wu, D. 07734
Wu, E.N. 01172
01174
01231
Wu, F.F. 08250
Wu, J.L. 08692
Wu, K.-T. 03125
Wu, S. 08617
Wu, S.-Q. 03915
Wu, S.-Z. 09177
Wu, S.S.C. 02230
Wu, T.T. 04811
08016
08829
Wu, X.-Z. 04111
Wu, Y. 05389
Wu, Y.C.L. 00162
Wudl, F. 08501
Wuertz, K.L. 03270
Wukelic, G.E. 02225
Wulich, D. 03867
07884
08373
Wunsch, J. 01022
04062
Wurden, G.A. 00973
Wurm, M.A. 06848
Wurmthaler, C. 05176
Wyatt, A.F.G. 03418
Wyatt, J.L. 08777
Wyatt, J.L.,Jr. 03934
Wybourne, M.N. 08435
Wydeven, T. 03948
Wynn, M.C. 08288
Wysocki, M. 05178
Wyss, P. 03281

Xiang, N.-D. 05018
Xie, H.-K. 09177
Ximen, J.-Y. 08916
Xu, C.-H. 08401
08402
Xu, G. 07349
Xu, W.-Y. 07041
Xuan, N.P. 00014
Xydeas, C.S. 07776

Yabe, H. 05828
Yablonovitch, E. 05611
Yablonski, S. 01289
Yabu, T. 04484
04485
Yabuta, T. 02930
02936
Yacobi, B.G. 08881
Yada, K. 09345
Yagawa, G. 03427
Yaghjian, A.D. 09112
Yagishita, S. 02046
Yagita, H. 04436
Yair, A. 08193
Yakimenko, M.N. 02545
Yakovchuk, N.S. 01753
Yakovenko, V.M. 04812
Yakovenko, V.S. 05139
Yakover, I. 08012
Yakovlenko, S.I. 08057
Yakovlev, B.V. 08327
Yakubovich, E.D. 08550
Yakubovich, V.A. 08550
Yakushevich, G.N. 08804
Yallup, K.J. 02751
Yamada, C. 02432
Yamada, H. 01225
04102
05545
06525
09057
Yamada, J. 04486
Yamada, K. 01516
02627
09421
Yamada, M. 00672
Yamada, M. 01635
04031
04917
Yamada, N. 01511
Yamada, R. 04129
Yamada, S. 00807
04782
Yamada, T. 04275
04309
Yamada, Y. 03873
08862
Yamafuji, K. 04200
Yamaga, M. 09358
Yamagata, S. 00252
Yamagishi, Y. 03338
Yamagiwa, K. 02568
Yamagucchi, M. 07042
Yamaguchi, E. 05949
Yamaguchi, G.T. 06637
Yamaguchi, H. 01443
Yamaguchi, K. 00353
04390
08296
08364
09189
Yamaguchi, M. 01228
03944
04228
09367
Yamaguchi, S. 04021
04026
08959
Yamaguchi, T. 01197
05944
05977
06538
09467
Yamakami, T. 03533
Yamakoshi, S. 07376
Yamamoto, A. 01228
03944
Yamamoto, H. 02905
02993
04482
05095
06351
07958
09328
Yamamoto, K. 01505
04478
Yamamoto, M. 03039
03514
06553
09295
Yamamoto, O. 08963
Yamamoto, R. 04508
Yamamoto, S. 00944
03763
04007
07250
07313
08963
09248
Yamamoto, T. 00739
01961
Yamamoto, Y. 00957
00959
01356
01723
02726
09284
Yamamura, K. 06776
Yamamura, T. 06827
Yamamuro, H. 03492
Yamanaev, M.S. 07780
Yamanaka, C. 04368
Yamano, T. 07288
Yamanouchi, K. 05119
Yamanouchi, S. 04917
Yamaoka, T. 04083
Yamasaki, H. 02635
Yamasaki, K. 01198
06656
Yamasaki, T. 01689
Yamasaki, Y. 08353
Yamashita, H. 06830
Yamashita, K. 06148
Yamashita, N. 02568
Yamashita, S. 00050
04427
Yamashita, T. 01511
06662
Yamashita, Y. 01959
Yamauchi, J. 08103
08122
Yamauchi, N. 04442
Yamauchi, T. 007
Yamauchi, Y. 056
092
Yamayee, Z.A. 018
049
Yamazaki, H. 070
Yamazawa, K. 010
Yamazoe, N. 020
035
Yan, L.-G. 041
042
Yan, S.Y. 052
Yan, T.-Y. 095
Yan, Y.-L. 081
Yanabu, S. 0820
0821
0822
Yanagida, H. 0433
Yanari, T. 0108
Yanase, S. 0457
Yanase, T. 0096
Yancey, J.A. 0027
Yanev, A.S. 0244
Yanevskii, G.D. 0390
Yang, C.-C. 0801
Yang, C.C. 0637
Yang, D.C. 0277
Yang, F. 0742
Yang, H.-C. 0261
Yang, K.-H. 0323
Yang, L.-B. 0485
Yang, N.-C. 0820
Yang, T.Y. 0858
Yang, Y. 0065
Yaniv, O. 0875
Yano, H. 0890
Yano, K. 0077
Yano, S. 0094
0196
0400
0450
0896
Yano, T. 0914
Yanowski, E. 0937
Yao, F.K. 03773
Yao, M. 07407
Yao, N. 01803
Yao, N.P. 08321
Yao, S.-K. 01377
09366
Yao, S.K. 07754
Yao, Y.-C. 07808
Yao, Y.C. 06334
Yar, M. 07909
Yaramanoglu, M. 03687
Yariv, A. 00923
01902
08909
09220
Yarlykov, S.S. 04361
Yarman, B.S. 04827
Yarmolik, V.N. 04755
Yaroslavskii, V.N. 07499
Yarygin, A.S. 08436
Yarysheva, M.D. 06773
Yasaki, E.K. 02286
02311
02546
Yasinskii, V.M. 09015
Yassa, F.F. 02363
Yastrebkov, A.B. 08969
Yasuda, H. 01959
Yasuda, M. 03567
Yasuda, N. 01510
Yasuda, T. 05937
Yasuda, Y. 07908
07956
07989
09436
Yasuhara, M. 07965
Yasukochi, K. 04165
04254
04272
Yasumoto, M. 06003
Yasumoto, Y. 07965
Yasunaga, Y. 00268
Yasunari, K. 06037
Yasuoka, Y. 09009
Yates, G.J. 05163
05584
Yatom, H. 04823
Yatsuboshi, R. 09345
Yau, S.S. 02837
Yavrouian, A. 05563
Yavuz, D. 02901
06323

azami, R. 03337
e, Z.-X. 04127
eargan, J.R. 01203
eats, R. 01192
edavalli, R.K. 08593
ee, C.M.L. 05984
ee, J. 06155
ee, J.H. 01126
ee, K.H. 01601
ee, R. 08803
egnanarayana, B. 06273
eh, C.C. 06333
eh, C.S. 04451
09291
Yeh, F.-S. 06831
Yeh, G.-J. 07502
Yeh, K.C. 08014
Yeh, S.H. 02136
Yeh, Y.-S. 07688
Yekutieli, G. 00802
Yellen, H.W. 01488
Yemel'yanov, S.V. 06342
Yen, C.S. 02637
Yen, W.M. 00850
Yenigalla, P. 06019
Yeow, Y.T. 02481
Yep, S. 05131
Yerman, A.J. 06081
Yeung, A.K.C. 09399
Yevick, D. 08066
08962
Yew, N.C. 05892
Yi, M.-G. 02728
Yin, T.C.T. 05315
Ying, R.L.P. 05490
Ying, Z. 04349
Ying, Z.-X. 09395
Yiou, F. 00309
Yoder, P.R.,Jr. 00877
Yoder, R.C. 05585
05586
Yodh, G.B. 05154
Yoerger, D.R. 08538
Yoganathan, A.P. 08634
08635
08636
Yokoi, Y. 08293
Yokokura, K. 00099
00108
Yokomizo, Y. 02663
Yokoshima, I. 08985
Yokotsuka, T. 06739
Yokoya, N. 05718
Yokoyama, K. 00776
02758
09199
Yokoyama, M. 06351
Yokoyama, N. 04454
04473
Yokoyama, S. 01548
02975
04924
06181
Yokoyama, T. 05610
Yokoyama, Y. 09437
Yokozuka, T. 07181
Yokunaga, Y. 02541
Yoneda, S. 01919
05515
07193
07848
Yonemoto, K. 08570
Yoneyama, O. 00940
Yoneyama, T. 04313
Yonezawa, Y. 02151
Yonezu, H. 01362
Yong, Y.K. 08393
Yoo, G.H. 05989
Yoshida, I. 07097
Yoshida, J. 07566
Yoshida, K. 01555
02575
04162
04232
04264
04269
05804
Yoshida, M. 01789
02918
04477
Yoshida, N. 00778
Yoshida, S. 08978
Yoshida, T. 01338
04085
Yoshida, Y. 02828
09441
Yoshie, O. 02007
Yoshihara, K. 07335
Yoshihara, T. 04480
Yoshii, A. 02758
09199
Yoshikai, N. 07706
Yoshimatsu, T. 02601
Yoshimoto, I. 00325
Yoshimoto, M. 04480
Yoshimoto, T. 07521
Yoshimura, M. 01839
Yoshimura, N. 04921
05565
05566
Yoshino, K. 00839
01793
Yoshino, M. 00775
Yoshinouchi, A. 04368
Yoshioka, A. 01774
Yoshioka, Y. 08199
Yoshizaki, K. 04275
Yoshizawa, A. 08103
Yoshizawa, N. 02930
02936
Yoshizumi, K. 02601
Yotova, L. 04972
Yould, E.P. 05024
Youn, D.H. 01544
Younex, H.A. 02221
Young, B.S. 03398
Young, D.A. 03516
Young, D.C. 05127
Young, D.K. 00562
Young, F.C. 07346
Young, J.F. 05057
08928
Young, L.M. 00921
Young, M. 06123
07095
07096
07768
Young, P.L. 04079
Young, P.R. 01937
Young, R. 06179
Young, R.W. 05916
Young, T.Y. 06030
Youngquist, R.C. 05888
Younkins, T.D. 08351
Yousif, A.M. 07792
Yu, E.-K. 05018
Yu, F.T.S. 05774
07904
Yu, G.-S.S. 02992
Yu, J.-B. 02419
Yu, K. 04481
Yu, K.-B. 05320
Yu, K.L. 00923
Yu, L. 03384
Yu, P.K.-L. 03971
Yu, S.S. 08287
Yu, Y.-J. 04127
Yu, Y.-Y. 02419
Yu, Y.H. 02602
Yu, Y.T. 07815
Yuan, Y.-R. 04321
Yudin, A.B. 01274
Yuecel, M. 01578
Yueh, W.R. 05273
Yuen, C.K. 03751
Yuen, J.H. 07964
Yuki, H. 01635
Yuki, M. 04905
Yukitake, T. 02638
Yun, C.W. 05491
Yunck, T.P. 08617
Yundev, D.N. 00908
07314
Yung, C.J. 06372
Yunoshev, L.S. 08700
08709
Yunusov, Kh.R. 08324
Yura, H.T. 04562
09052
Yurishchev, M.A. 07074
Yusoff, M. 01835
Yuuki, K. 02663
Yuzikis, P.A. 05552
Yvroud, E. 07013

Zabalawi, I.H. 05442
06163
Zabler, E. 00617
Zaborszky, J. 04965
Zachariah, J. 00168
00169
Zadkov, V.N. 06715
Zafar, N. 07639
Zagorodnii, S.F. 01329
Zagrebel'nyi, V.N. 00257
Zahavi, J. 06610
Zaher, F.A.A. 01084
Zahn, M. 08446
Zahnd, J. 09262
Zahran, M.A. 02221
Zaidel, B.M. 08036
Zaitsev, A.L. 01329
Zaitsev, A.V. 04171
Zaitsev, V.V. 02694
07200
Zaitsevskii, J.L. 09190
Zakariah, K.M. 05492
Zakharenkov, Yu.A. 07343
Zakharov, B.V. 08416
Zakharov, Yu.A. 05109
Zakhleniuk, N.A. 01112
Zaki, K.A. 03241
Zalesskaya, G.A. 08506
Zalucky, A. 06924
Zaluzny, M. 00319
Zaman, A.J.M. 08447
Zames, G. 06902
Zana, L.M. 08615
Zanforlin, L. 01097
08859
Zanger, H. 04372
Zanner, F.J. 01890
Zanoni, E. 05242
Zanotti, L. 02719
02720
Zaorski, R.W. 08431
Zapara, G.N. 08220
Zapinsky, A. 07882
Zappa, G. 07861
Zarabi, M.J. 07665
Zarcone, M. 05627
Zaretskii-Feoktistov, G.G. 08481
Zargano, G.F. 00314
Zarmi, Y. 03349
03361
Zarubin, L.I. 00247
Zarubinskaya, L.Ya. 01928
Zatsepin, N.N. 03494
08457
Zav'yalov, M.A. 05166
Zavidei, V.I. 07459
Zaychenko, Yu.P. 00593
Zaycoff, R.G. 03216
Zbik, E. 03181
Zdanowicz, T. 08875
Zechmeister, H. 00993
Zee, T. 08803
Zeheb, E. 07148
08542
Zeilicovici, C. 06577
Zeiss, C. 00411
Zeitlin, B.A. 04258
Zeller, H. 02871
Zellweger, A.G. 00627
Zellweger, J. 04198
04229
Zelyk, Ya.I. 00334
Zeman, H.D. 05299
05313
Zeman, J. 06321
Zemanek, I. 04472
Zemanian, A.H. 00663
07246
Zemel, A. 02684
Zemitis, A.A. 08281
Zempolich, B.A. 03656
Zeng, L. 04306
Zenin, E.I. 05831
Zenkin, V.A. 03861
Zentsov, V.A. 01563
Zepkin, N. 07310
Zetterberg, L.H. 07963
Zettl, A. 00376
Zhang, B. 09119
Zhang, C.J. 04153
Zhang, E.-Q. 05582
Zhang, G.-Z. 03453
Zhang, J.G. 00374
Zhang, L. 01019
Zhang, L.-Y. 00711
Zhang, L.R. 00374
Zhang, R.-R. 03234
Zhang, S. 03453
Zhang, U.J. 04182
Zhang, W.H. 08692
Zhang, W.R. 02322
Zhang, X.L. 02683
Zhang, Y.-F. 03433
Zhang, Y.-H. 08207
Zhang, Z.-M. 05669
Zhao, B. 03444
Zhao, C.J. 07430
Zhao, H-.Q. 05669
Zhao, K.B. 08224
Zhao, W. 03444
Zhao, Y.-C. 04743
Zhdanov, A.I. 09576
Zhechev, D. 05811
Zhelbakov, I.N. 05843
Zhenenko, G.N. 08264
Zheng, D.Z. 08692
Zheng, S.Y. 00278
Zheng, X. 07398
Zhigal'skii, G.P. 07611
Zhigalkin, A.K. 08969
Zhiyi, C. 04835
Zholnerovich, O.A. 07522
Zhong, Q.-M. 05669
Zhong, X.W. 02322
Zhou, L. 04086
Zhou, L.-W. 08916
Zhou, N. 04111
Zhou, R.-Y. 03433
Zhou, Z.-O. 09504
Zhu, X.C. 07607
Zhu, Z. 04349
Zhu, Z.S. 09395
Zhuang, W.-C. 04311
Zhuk, O.P. 00702
08490
Zhuk, V.A. 07347
Zhukov, V.K. 01626
02670
05067
Zhuravlev, E.E. 06900
Zhuravlev, E.N. 07499
Zhuravlev, S.N. 00300
Zichy, J.A. 04229
Zieba, A. 04237
Ziegler, C. 04669
07934
Ziegler, H. 05439
06735
Zielinski, T. 04408
05984
Ziemer, R.E. 03169
Zienko, S.I. 06784
07543
Zieren, V. 01955
Zignani, F. 05629
Zijp, W.L. 00382
Zil'berman, G.A. 08831
Zilioli, E. 03699
Zimdahl, W. 02346
Zimin, G.P. 00599
Zimmer, G. 02863
09214
09599
Zimmerman, A.H. 06654
Zimmermann, J. 01116
05955
Zimmermann, M. 00901
03395
Zimmermann, W. 04530
Zinchenko, V.F. 01984
Zingarelli, V. 09568
Zinkann, G.P. 04170
Zinke, M. 00880
Zinov'ev, L.P. 08508
Zinov'ev, V.A. 01586
Zinov'eva, K.N. 00247
Ziogas, P.D. 01759
04936
06595
Ziomek, L.J. 07051
Zipf, E.C. 03729
Zisman, A.N. 01884
07514
Zitouni, A. 02144
Zivic, Z. 01257
Zobrist, A. 07019
Zocholl, S.E. 08146
Zohar, S. 04836
Zolomy, I. 02732
Zolotoi, S.A. 00597
07086
Zommer, N.D. 09211
Zommiti, M. 01142
Zorev, N.N. 07343
Zorii, V.I. 00248
Zorin, A.B. 04118
04186
04243

Zmic, D.S. 04712
Zscherpe, G. 02589
Zsolnay, E.M. 00749
Zsombor-Murray, P.J.A. 02014
Zubal, I.G. 05312
Zubel, I. 08875
Zubkov, A.A. 07451
Zubkov, V.P. 09158
Zucca, R. 03750
.... 04459
.... 06016
Zuccalli, G. 02720
Zuchowski, R. 00342
Zuckerman, M.M. 07254
Zuech, P. 02152
Zuev, A.B. 08429
Zuev, V.S. 00981
.... 00983
Zueva, N.M. 01928
Zuhr, R.A. 06633
Zukowski, A. 01278
Zuleeg, R. 04434
Zulliger, H.R. 08387
Zuniga, A. 00148
Zuniga, O.A. 07952
Zupancic, R.L. 04975
Zurada, J. 00635
Zussman, A. 02684
.... 04013
Zverev, V.V. 05166
Zwick, S.A. 00163
Zwicke, P.E. 07868
Zylstra, P.V. 01720
Zynorecki, O. 01093

cambridge scientific abstracts

ABSTRACTS JOURNALS ☐ ONLINE ☐ MAGNETIC TAPE

JOURNALS

Animal Behavior Abstracts®
Aquatic Sciences & Fisheries Abstracts®:
  Part 1 - Biological sciences & living resources.
  Part 2 - Ocean technology, policy & non-living resources.
ASFA® Aquaculture Abstracts
Biochemistry Abstracts:
  Part 1 - Biological Membranes
  Part 2 - Nucleic Acids
  Part 3 - Amino-acids, Peptides & Proteins
Biotechnology Research Abstracts
Calcified Tissue Abstracts®
Chemoreception Abstracts®
Computer & Information Systems Abstracts Journal
Conference Papers Index®
CSA Neurosciences Abstracts
Ecology Abstracts®
Electronics & Communications Abstracts Journal
Entomology Abstracts®
Genetics Abstracts®
Immunology Abstracts®
ISMEC (Information Service in Mechanical Engineering) Bulletins
Microbiology Abstracts®
  Part A - Industrial & Applied
  Part B - Bacteriology
  Part C - Algology, Mycology Protozoology
Oceanic Abstracts®
Pollution Abstracts®
Safety Science Abstracts Journal
Solid State Abstracts Journal
Toxicology Abstracts®
Virology Abstracts®

BACK VOLUMES

Back volumes are available for all CSA journals more than one year old, in either printed or microfiche form.

MAGNETIC TAPE

The CSA journals are available on magnetic tape in machine-readable form for current awareness and retrospective batch searching. Contact CSA Marketing Department for specifications and prices at 301-951-1403.

ONLINE

Some of the above journals are available on differing online information systems including:

☐ DIALOG® Information Retrieval Service
☐ Bibliographic Retrieval Service
☐ Information Retrieval Service (European Space Agency)
☐ System Development Corporation Search Service.

For further details contact CSA Database Services, toll free at 800-638-8076. In Maryland and outside continental U.S., call 301-951-1300.